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## **REGULATION FOR REDUCING EMISSIONS FROM CONSUMER PRODUCTS**

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### **SUBCHAPTER 8.5 CONSUMER PRODUCTS**

#### **Article 2. Consumer Products**

##### **§ 94507. Applicability.**

Except as provided in Sections 94509(i) and 94510, this article shall apply to any person who sells, supplies, offers for sale, or manufactures consumer products for use in the state of California.

NOTE: Authority cited: Sections 39600, 39601 and 41712, Health and Safety Code. Reference: Sections 39002, 39600, 40000 and 41712, Health and Safety Code.

##### **§ 94508. Definitions.**

(a) For the purpose of this article, the following definitions apply:

- (1) "Adhesive" means any product that is used to bond one surface to another by attachment. "Adhesive" does not include products used on humans and animals, adhesive tape, contact paper, wallpaper, shelf liners, or any other product with an adhesive incorporated onto or in an inert substrate. For "Contact Adhesive," "Construction, Panel, or Floor Covering Adhesive," and "General Purpose Adhesive" only, "Adhesive" also does not include units of product, less packaging, which weigh more than one pound and consist of more than 16 fluid ounces. This limitation does not apply to aerosol adhesives.

"Adhesive" includes the following categories (A-D):

- (A) "Aerosol Adhesive" means any "Adhesive" packaged as an aerosol product in which the spray mechanism is permanently housed in a can designed for hand-held application without the need for ancillary hoses or spray equipment.

"Aerosol Adhesive" includes the following subcategories (1-3):

1. "Mist Spray Adhesive" means any "Aerosol Adhesive" which is not a "Special Purpose Spray Adhesive" and which delivers a particle or mist spray, resulting in the formation of fine, discrete particles that yield a generally uniform and smooth application of adhesive to the substrate.

2. "Special Purpose Spray Adhesive" means an "Aerosol Adhesive" that meets one of the following definitions:
  - a. "Automobile Headliner Adhesive" means an "Aerosol Adhesive" designed and labeled exclusively to bond together layers in motor vehicle headliners.
  - b. "Automotive Engine Compartment Adhesive" means an "Aerosol Adhesive" designed and labeled exclusively for use in motor vehicle under-the-hood applications which require oil and plasticizer resistance, as well as high shear strength, at temperatures of 200-275 degrees Fahrenheit.
  - c. "Flexible Vinyl Adhesive" means an "Aerosol Adhesive" designed and labeled exclusively to bond flexible vinyl to substrates. Flexible vinyl means a nonrigid polyvinyl chloride plastic with at least five percent, by weight, of plasticizer content. A plasticizer is a material that is incorporated into a vinyl to increase its flexibility, workability, or distensibility, that may be determined using ASTM Method E260-91 (Jan. 25, 1991) Standard Practice for Packed Column Gas Chromatography, which is incorporated by reference herein, or from product formulation data.
  - d. "Laminate Repair/Edge banding Adhesive" means an "Aerosol Adhesive" designed and labeled exclusively for:
    - i. the touch-up or repair of items laminated with high pressure laminates (for example, lifted edges, delaminations, etc.), or for
    - ii. the touch-up, repair, or attachment of edge banding materials, including, but not limited to, other laminates, synthetic marble, veneers, wood molding, or decorative metals.

For the purposes of this definition "high pressure laminate" means sheet materials which consist of paper, fabric, or other core material that have been laminated at temperatures exceeding 265 degrees F, and at pressures between 1,000 and 1,400 psi.
  - e. "Mounting Adhesive" means an "Aerosol Adhesive" designed and labeled exclusively to permanently mount photographs, artwork, or any other drawn or printed media

to a backing (paper, board, cloth, etc.) without causing discoloration to the artwork.

- f. "Plastic Pipe Adhesive" means an "Aerosol Adhesive" labeled exclusively to bond segments of acrylonitrile butadiene styrene (ABS), polyvinyl chloride (PVC), or chlorinated polyvinyl chloride (CPVC) pipe together.
  - g. "Polyolefin Adhesive" means an "Aerosol Adhesive" designed and labeled exclusively to bond polyolefins (for example, polyethylene, polypropylene, etc.) to substrates.
  - h. "Polystyrene Foam Adhesive" means an "Aerosol Adhesive" designed and labeled exclusively to bond polystyrene foam (for example, Styrofoam®, expanded polystyrene foam, etc.) to substrates.
  - i. "Screen Printing Adhesive" means an "Aerosol Adhesive" designed and labeled exclusively to hold garments or fabric in place during the screen printing process.
3. "Web Spray Adhesive" means any "Aerosol Adhesive" which is not a "Mist Spray Adhesive" or "Special Purpose Spray Adhesive."
- (B) "Construction, Panel, or Floor Covering Adhesive" means any nonaerosol, one-component "Adhesive" that is designed or labeled for the installation, remodeling, maintenance, or repair of: (A) structural and building components that include, but are not limited to, beams, trusses, studs, paneling (drywall or drywall laminates, fiberglass reinforced plastic (FRP), plywood, particle board, insulation board, pre-decorated hardboard or tileboard, etc.), ceiling and acoustical tile, molding, fixtures, countertops or countertop laminates, cove or wall bases, and flooring or subflooring; or (B) floor or wall coverings that include, but are not limited to, wood or simulated wood covering, carpet, carpet pad or cushion, vinyl-backed carpet, flexible flooring material, nonresilient flooring material, mirror tiles and other types of tiles, and artificial grass. "Construction, Panel, and Floor Covering Adhesive" does not include "Floor Seam Sealer."
- (C) "Contact Adhesive" means a nonaerosol "Adhesive" that: (A) is designed for application to both surfaces to be bonded together, and (B) is allowed to dry before the two surfaces are placed in contact with each other, and (C) forms an immediate bond that is impossible, or difficult, to reposition after both adhesive-coated

surfaces are placed in contact with each other, and (D) does not need sustained pressure or clamping of surfaces after the adhesive-coated surfaces have been brought together using sufficient momentary pressure to establish full contact between both surfaces. "Contact Adhesive" does not include rubber cements that are primarily intended for use on paper substrates. "Contact Adhesive" also does not include vulcanizing fluids that are designed and labeled for tire repair only.

"Contact Adhesive" is divided into two subcategories:

1. "Contact Adhesive - General Purpose" means any contact adhesive that is not a "Contact Adhesive - Special Purpose."
2. "Contact Adhesive - Special Purpose" means a contact adhesive that: (A) is used to bond melamine-covered board, unprimed metal, unsupported vinyl, Teflon, ultra-high molecular weight polyethylene, rubber, high pressure laminate or wood veneer 1/16 inch or less in thickness to any porous or nonporous surface, and is sold in units of product, less packaging, that contain more than eight fluid ounces, or (B) is used in automotive applications that are (1.) automotive under-the-hood applications requiring heat, oil or gasoline resistance, or (2.) body-side molding, automotive weatherstrip or decorative trim.

(D) "General Purpose Adhesive" means any nonaerosol "Adhesive" designed for use on a variety of substrates. "General Purpose Adhesive" does not include (A) "Contact Adhesive," (B) "Construction, Panel, or Floor Covering Adhesive," (C) adhesives designed exclusively for application on one specific category of substrates (that is, substrates that are composed of similar materials, such as different types of metals, paper products, ceramics, plastics, rubbers, or vinyls), or (D) adhesives designed exclusively for use on one specific category of articles (that is, articles that may be composed of different materials but perform a specific function, such as gaskets, automotive trim, weather-stripping, or carpets).

- (2) "Adhesive Remover" means a product designed to remove adhesive from either a specific substrate or a variety of substrates. "Adhesive Remover" does not include products that remove adhesives intended for use on humans or animals.

For the purpose of this definition and "Adhesive Remover" subcategories (A-D), the term "adhesive" shall mean a substance used

to bond one or more materials.

Adhesive includes but is not limited to: caulks; sealants; glues; or similar substances used for the purpose of forming a bond.

- (A) "Floor or Wall Covering Adhesive Remover" means a product designed or labeled to remove floor or wall coverings and associated adhesive from the underlying substrate.
  - (B) "Gasket or Thread Locking Adhesive Remover" means a product designed or labeled to remove gaskets or thread locking adhesives. Products labeled for dual use as a paint stripper and gasket remover and/or thread locking adhesive remover are considered "Gasket or Thread Locking Adhesive Remover."
  - (C) "General Purpose Adhesive Remover" means a product designed or labeled to remove cyanoacrylate adhesives as well as nonreactive adhesives or residue from a variety of substrates. "General Purpose Adhesive Remover" includes, but is not limited to, products that remove thermoplastic adhesives; pressure sensitive adhesives; dextrine or starch-based adhesives; casein glues; rubber or latex-based adhesives; as well as products that remove stickers; decals; stencils; or similar materials. "General Purpose Adhesive Remover" does not include "Floor or Wall Covering Adhesive Remover."
  - (D) "Specialty Adhesive Remover" means a product designed to remove reactive adhesives from a variety of substrates. Reactive adhesives include adhesives that require a hardener or catalyst in order for the bond to occur. Examples of reactive adhesives include, but are not limited to: epoxies; urethanes; silicones. "Specialty Adhesive Remover" does not include "Gasket or Thread Locking Adhesive Remover."
- (3) "Aerosol Cooking Spray" means any aerosol product designed either to reduce sticking on cooking and baking surfaces or to be applied on food, or both.
  - (4) "Aerosol Product" means a pressurized spray system that dispenses product ingredients by means of a propellant contained in a product or a product's container, or by means of a mechanically induced force. "Aerosol Product" does not include "Pump Spray."
  - (5) "Agricultural Use" means the use of any pesticide or method or device for the control of pests in connection with the commercial production, storage or processing of any animal or plant crop. "Agricultural Use"

does not include the sale or use of pesticides in properly labeled packages or containers which are intended for: (A) Home use, (B) Use in structural pest control, or (C) Industrial or Institutional use. For the purposes of this definition only:

“Home use” means use in a household or its immediate environment.

“Structural pest control” means a use requiring a license under Chapter 14 (commencing with Section 8500), Division 3, of the Business and Professions Code.

“Industrial use” means use for or in a manufacturing, mining, or chemical process or use in the operation of factories, processing plants, and similar sites.

“Institutional use” means use within the confines of, or on property necessary for the operation of buildings such as hospitals, schools, libraries, auditoriums, and office complexes.

(6) “Air Freshener” means any product including, but not limited to, liquids, semisolids, solids, aerosol or pump sprays, wicks, wipes, diffusers, powders, or crystals, designed or labeled for the purpose of masking odors, or freshening, cleaning, scenting, or deodorizing the air. “Air Freshener” does not include products that are used on the human body, products that function primarily as cleaning products as indicated on a product label, “Odor Remover/Eliminator,” or “Toilet/Urinal Care Product.”

(A) For products manufactured before January 1, 2023, “Air Freshener” includes the following subcategories (1-3):

1. “Double Phase Aerosol Air Freshener” means an aerosol “Air Freshener” with the liquid contents in two or more distinct phases, that requires the product container be shaken before use to mix the phases, producing an emulsion.
2. “Dual Purpose Air Freshener/Disinfectant” means an aerosol “Air Freshener” that is designed or labeled for use as both a “Disinfectant” and an “Air Freshener,” or is so represented on any sticker, label, packaging, or literature attached to the product container.
3. “Single Phase Aerosol Air Freshener” means an aerosol “Air Freshener” with the liquid contents in a single homogeneous phase which does not require that the product container be shaken before use.



(B) For products manufactured on or after January 1, 2023, "Air Freshener" includes the following subcategories (1-5):

1. "Automatic Aerosol Air Freshener" is an aerosol "Air Freshener" that is labeled to be used in an "Automatic Air Freshening Dispenser."

For the purposes of this subsection, "Automatic Air Freshening Dispenser" means a device labeled to dispense an "Automatic Aerosol Air Freshener" at a predetermined time or interval of time, under preset conditions, and/or due to sensor activation.

2. "Concentrated Aerosol Air Freshener" is a "Manual Aerosol Air Freshener" enclosed under pressure which (1) contains 15 percent or more fragrance, (2) is designed with a valve that permits the dispensing of no more than 185 microliters of product upon each activation, and (3) is sold in aerosol containers of two ounces or less by weight.
3. "Dual Purpose Air Freshener/Disinfectant" means an aerosol "Air Freshener" that is designed or labeled for use as both a "Disinfectant" and an "Air Freshener," or is so represented on any sticker, label, packaging, or literature attached to the product container.
4. "Manual Aerosol Air Freshener" means an aerosol "Air Freshener" that is designed or labeled to be handheld and/or manually activated. A "Manual Aerosol Air Freshener" is not a "Concentrated Aerosol Air Freshener" or a "Total Release Aerosol Air Freshener" or a "Dual Purpose Air Freshener/Disinfectant".
5. "Total Release Aerosol Air Freshener" is an aerosol air freshener product enclosed under pressure which (1) dispenses all or most of its contents during a single application, and (2) is sold in containers of five ounces or less by weight.

(7) "Alkylphenol Ethoxylate" means, for the purpose of this regulation only, a nonionic surface active agent (surfactant) compound composed of an alkyl chain that contains at least eight carbon atoms and a polyethoxylate chain attached to a benzene ring. "Alkylphenol Ethoxylate" includes, but is not limited to, octylphenol ethoxylate with an alkyl chain consisting of eight carbon atoms and nonylphenol ethoxylate with an alkyl chain consisting of a nine carbon atoms.

- (8) "All Other Carbon-Containing Compounds" means all other compounds which contain at least one carbon atom and are not a "Table B" or a "LVP-VOC."
- (9) "All Other Forms" means all consumer product forms for which no form-specific VOC standard is specified. Unless specified otherwise by the applicable VOC standard, "all other forms" include, but are not limited to, solids, liquids (which includes the liquid containing or liquid impregnated portion of the cloth or paper wipes (towelettes), wicks, powders, and crystals.
- (10) "Antimicrobial Hand or Body Cleaner or Soap" means a cleaner or soap which is designed to reduce the level of microorganisms on the skin through germicidal activity, and is regulated as an over-the-counter drug by the U.S. Food and Drug Administration. "Antimicrobial Hand or Body Cleaner or Soap" includes, but is not limited to, (A) antimicrobial hand or body washes/cleaners, (B) foodhandler hand washes, (C) healthcare personnel hand washes, (D) pre-operative skin preparations and (E) surgical scrubs. "Antimicrobial Hand or Body Cleaner or Soap" does not include prescription drug products, antiperspirants, "Astringent/Toner," deodorant, "Facial Cleaner or Soap," "General-use Hand or Body Cleaner or Soap," "Hand Dishwashing Detergent" (including antimicrobial), "Heavy-duty Hand Cleaner or Soap," "Medicated Astringent/Medicated Toner," and "Rubbing Alcohol."
- (11) "Anti-Static Product" means a product that is labeled to eliminate, prevent, or inhibit the accumulation of static electricity. "Anti-Static Product" does not include "Electronic Cleaner," "Floor Polish or Wax," "Floor Coating," and products that meet the definition of "Aerosol Coating Product" or "Architectural Coating."
- (12) "Architectural Coating" means a coating applied to stationary structures and their appurtenances, to mobile homes, to pavements, or to curbs.
- (13) "Aromatic Compound" means a carbon containing compound that contains one or more benzene or equivalent heterocyclic rings and has an initial boiling point less than or equal to 280°C. "Aromatic Compound" does not include compounds excluded from the definition of Volatile Organic Compound (VOC) in this Section 94508(a).
- (14) "Artist's Solvent/Thinner" means any product, labeled to meet ASTM D4236 – 94 (March 1, 2005) Standard Practice for Labeling Art Materials for Chronic Health Hazards, which is incorporated by reference herein, and is packaged in a container with a capacity equal to or less than 34

fluid ounces, and is labeled exclusively and explicitly to reduce the viscosity of, and or remove, art coating compositions or components.

- (15) "ASTM" means ASTM International.
- (16) "Astringent/Toner" means any product designed or labeled to be applied to the skin for the purpose of cleaning or tightening pores. This category also includes clarifiers and substrate-impregnated products. This category does not include any hand, face, or body cleaner or soap product, "Medicated Astringent/Medicated Toner," cold cream, lotion, antiperspirant, or any Astringent/Toner product regulated as a drug by the United States Food and Drug Administration (FDA).
- (17) "Automotive Rubbing or Polishing Compound" means a products designed primarily to remove oxidation, old paint, scratches or "swirl marks," and other defects from the painted surfaces of motor vehicles without leaving a protective barrier.
- (18) "Automotive Wax, Polish, Sealant or Glaze" means a product designed to seal out moisture, increase gloss, or otherwise enhance a motor vehicle's painted surfaces. "Automotive Wax, Polish, Sealant or Glaze" includes, but is not limited to, products designed for use in autobody repair shops and "drive-through" car washes, as well as products designed for the general public. "Automotive Wax, Polish, Sealant or Glaze" does not include "Automotive Rubbing or Polishing Compound," automotive wash and wax products, surfactant-containing car wash products, and products designed for use on unpainted surfaces such as bare metal, chrome, glass, or plastic. "Automotive Wax, Polish, Sealant or Glaze" products are subcategorized into "All Other Forms," "Hard Paste Wax," and "Instant Detailer:"
  - (A) "All Other Forms" subcategory consists of all automotive wax, polish, sealant or glaze products that are not either a "Hard Paste Wax" or "Instant Detailer."
  - (B) "Hard Paste Wax" means a product which (A) is designed to protect and improve the appearance of automotive painted surfaces; (B) is a solid at room temperature; and (C) contains zero percent water by formulation.
  - (C) "Instant Detailer" means a product designed for use in a pump spray that is applied to the painted surface of automobiles and wiped off prior to the product being allowed to dry.
- (19) "Automotive Windshield Washer Fluid" means any liquid dilutable or premixed product that is designed or labeled for use in a motor vehicle windshield washer fluid system either as an anti-freeze or for the purpose

of cleaning, washing, bug removal, or wetting the windshield(s).  
 "Automotive Windshield Washer Fluid" does not include any fluid which is placed in a new motor vehicle at the time the vehicle is manufactured.

For the purpose of complying with the requirements for "Automotive Windshield Washer Fluid," the following definitions (A-D) apply:

- (A) "Dilutable" means any product sold either in a container with a capacity of 10 gallons or more, or a container with a capacity of one quart or less.
- (B) "Nontype "A" area" means all other areas of California that are not a "Type A area."
- (C) "Premixed" means any product sold in a container with a capacity that is greater than one quart, but less than 10 gallons.
- (D) "Type "A" area" means:
  - (1) Before July 1, 2013, the following regions of California: Del Norte, Shasta, and Trinity Counties; the Great Basin Valley, Lake Tahoe, Mountain Counties and Northeast Plateau Air Basins, as defined in title 17, California Code of Regulations, sections 60105, 60108, 60111, and 60113.
  - (2) On and after July 1, 2013, the counties listed in Table 94508(a)(19)(A), and areas defined by ZIP codes listed in Table 94508(a)(19)(B) below:

**Table 94508(a)(19)(A) Counties that are Type "A" Areas**

Air Basin	Counties
Great Basin Valleys	Alpine, Inyo, Mono
Lake Tahoe	El Dorado
Mountain Counties	Amador, Calaveras, El Dorado, Mariposa, Nevada, Plumas, Sierra, Tuolumne
Northeast Plateau	Lassen, Modoc, Siskiyou
North Coast	Del Norte, Trinity
Sacramento Valley	Shasta

**Table 94508(a)(19)(B) Type "A" Areas Identified by ZIP Code**

County*	ZIP Code	County*	ZIP Code	County*	ZIP Code
Butte	95954	Placer	95703	San Bernardino	92315
Butte/Tehama	95942	Placer	95713	San Bernardino	92317
Fresno	00017	Placer	95714	San Bernardino	92321
Fresno	93621	Placer	95715	San Bernardino	92325
Fresno	93628	Placer	95717	San Bernardino	92339
Fresno	93664	Placer	95722	San Bernardino	92352
Fresno/Tulare	93633	Placer	95724	San Bernardino	92358
Glenn	00047	Placer	96140	San Bernardino	92382
Humboldt	00050	Placer	96141	San Bernardino	92385
Kern	00016	Placer	96142	San Bernardino	92397
Kern	93255	Placer	96143	San Diego	91962
Kern	93285	Placer	96145	Santa Barbara	00032
Kern/Ventura	93225	Placer	96146	Tehama	00037
Kern	93226	Placer	96148	Tehama	00038
Kern/Ventura/ Santa Barbara/ San Luis Obispo	93252	Placer	96161	Tehama	96063
Madera	00020	Placer	96162	Tulare	00026
Madera	93643	Riverside	92549	Tulare	93260
Madera	93644	Riverside	92561	Tulare	93262
Placer	95602 (portion)**	San Bernardino	91759	Tulare	93265
Placer	95603 (portion)**	San Bernardino	92256	Tulare	93271
Placer	95631 (portion)**	San Bernardino	92305		
Placer	95701	San Bernardino	92314		

\* County name is provided as a point of reference only. Except as specified for ZIP codes 95602, 95603, and 95631, all portions of the identified ZIP codes are Type "A" areas.

\*\* Only the portion of ZIP codes 95602, 95603, and 95631 that lie to the east of Range 9 east, Mount Diablo Baseline and Meridian.

- (20) "Bathroom and Tile Cleaner" means a product designed or labeled to clean tile or surfaces in bathrooms. "Bathroom and Tile Cleaner" does not include "Toilet/Urinal Care Product."
- (21) "Brake Cleaner" means a cleaning product designed or labeled to remove oil, grease, brake fluid, brake pad material or dirt from motor vehicle brake mechanisms.

- (22) "Bug and Tar Remover" means a product labeled to remove either or both of the following from painted motor vehicle surfaces without causing damage to the finish: (A) biological-type residues such as insect carcasses and tree sap and, (B) road grime, such as road tar, roadway paint markings, and asphalt.
- (23) "California Sales" means the sales (net pounds of product, less packaging and container, per year) in California for either the calendar year immediately prior to the year that the information required by the Executive Officer pursuant to section 94513 (required information) is due or, if that data is not available, any consecutive 12 month period commencing no earlier than 2 years prior to the due date of the required information. If direct sales data for California is not available, sales may be estimated by prorating national or regional sales data by population.
- (24) "Carburetor or Fuel-Injection Air Intake Cleaner" means a product designed or labeled to remove fuel deposits, dirt, or other contaminants from a carburetor, choke, throttle body of a fuel-injection system, or associated linkages. "Carburetor or Fuel-injection Air Intake Cleaner" does not include products designed or labeled exclusively to be introduced directly into the fuel lines or fuel storage tank prior to introduction into the carburetor or fuel injectors, or products designed or labeled exclusively to be introduced during engine operation directly into air intake vacuum lines by using a pressurized sprayer wand.
- (25) "Carpet/Upholstery Cleaner" means a cleaning product designed or labeled for the purpose of eliminating dirt or stains on rugs, carpeting, or objects upholstered or covered with fabrics such as wool, cotton, nylon or other synthetic fabrics. "Carpet/Upholstery Cleaner" includes, but is not limited to, products used on household furniture, the interior of motor vehicles, and products that make "Fabric Protectant" claims. "Carpet/Upholstery Cleaner" does not include "Spot Remover," vinyl or leather cleaners, "Dry Cleaning Fluid," or products designed exclusively for use at industrial facilities engaged in furniture or carpet manufacturing.
- (26) "Charcoal Lighter Material" means any combustible material designed to be applied on, incorporated in, added to, or used with charcoal to enhance ignition. "Charcoal Lighter Material" does not include any of the following: (A) electrical starters and probes, (B) metallic cylinders using paper tinder, (C) natural gas, (D) propane, and (E) fat wood.
- (27) "Colorant" means any pigment or coloring material used in a consumer product for an aesthetic effect, or to dramatize an ingredient.

- (28) "Consumer" means any person who seeks, purchases, or acquires any consumer product for personal, family, household, or institutional use. Persons acquiring a consumer product for resale are not "consumers" for that product.
- (29) "Consumer Product" means a chemically formulated product used by household and institutional consumers including, but not limited to, detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products; but does not include other paint products, furniture coatings, or architectural coatings. As used in this article, the term "consumer product" shall also refer to aerosol adhesives, including aerosol adhesives used for consumer, industrial, and commercial uses.
- (30) "Container/Packaging" means the part or parts of the consumer or institutional product which serve only to contain, enclose, incorporate, deliver, dispense, wrap or store the chemically formulated substance or mixture of substances which is solely responsible for accomplishing the purposes for which the product was designed or intended. "Container/Packaging" includes any article onto or into which the principal display panel and other accompanying literature or graphics are incorporated, etched, printed or attached.
- (31) "Deodorant Body Spray" means a "Personal Fragrance Product" with 20 percent or less fragrance, that is designed for application all over the human body to provide a scent. A "Deodorant Body Spray" product that indicates or depicts on the container or packaging, or on any sticker or label affixed thereto, that it can be used on or applied to the human axilla, is a "Deodorant" as defined in section 94501(d).
- (32) "Device" means any instrument or contrivance (other than a firearm) which is designed for trapping, destroying, repelling, or mitigating any pest or any other form of plant or animal life (other than man and other than bacteria, virus, or other microorganism on or in living man or other living animals); but not including equipment used for the application of pesticides when sold separately therefrom.
- (33) "Disinfectant" means a product that is labeled as a "disinfectant", or is labeled to destroy or irreversibly inactivate infectious or other undesirable bacteria, pathogenic fungi, or viruses on surfaces or inanimate objects and whose label is registered as a "disinfectant" under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA, 7 U.S.C. 136, et seq.). Products that are labeled as both a "sanitizer" and a "disinfectant" are considered disinfectants. "Disinfectant" does not include any of the following: (A) products labeled solely for use on

humans or animals, (B) products labeled solely for agricultural use, (C) products labeled solely for use in swimming pools, therapeutic tubs, or hot tubs, (D) products which are labeled to be used on heat sensitive critical or semi-critical medical devices or medical equipment surfaces, (E) products which are pre-moistened wipes or towelettes sold exclusively to medical, convalescent, or veterinary establishments, (F) products which are labeled to be applied to food-contact surfaces and are not required to be rinsed prior to contact with food, or (G) products which are labeled as "Bathroom and Tile Cleaner," "Glass Cleaner," "General Purpose Cleaner," "Toilet/Urinal Care Product," "Metal Polish or Cleanser," "Carpet Cleaner," or "Fabric Refresher" that may also make disinfecting or antimicrobial claims on the label.

- (34) "Distributor" means any person to whom a consumer product is sold or supplied for the purposes of resale or distribution in commerce, except that manufacturers, retailers, and consumers are not distributors.
- (35) "Dry Cleaning Fluid" means any nonaqueous solvent that is (A) used in dry-cleaning machines at commercial dry cleaners or used by commercial businesses that clean fabrics such as draperies at the customer's residence or work place; and (B) is designed and labeled exclusively to clean: (1) fabrics which are labeled "for dry clean only," such as clothing or drapery; or (2) "S-coded" fabrics. "Dry Cleaning Fluid" does not include "Spot Remover" or "Carpet/Upholstery Cleaner." For the purposes of this definition, S-coded fabric means an upholstery fabric designed to be cleaned only with water-free spot cleaning products as specified by the Joint Industry Fabric Standards Committee.
- (36) "Dry Shampoo" means a product labeled to be applied to hair and massaged or brushed/combed through the hair for the purpose of cleaning the hair without needing to be rinsed.
- (37) "Dusting Aid" means a product designed or labeled to assist in removing dust and other soils from floors and other surfaces without leaving a wax or silicone based coating. "Dusting Aid" does not include "Pressurized Gas Duster."
- (38) "Electrical Cleaner" means a product labeled to remove heavy soils such as grease, grime, or oil from electrical equipment, including, but not limited to, electric motors, armatures, relays, electric panels, or generators. Electrical Cleaner does not include "General Purpose Cleaner," "General Purpose Degreaser," "Dusting Aid," "Electronic Cleaner," "Energized Electrical Cleaner," "Pressurized Gas Duster," "Engine Degreaser," "Anti-Static Product," or products designed to clean the casings or housings of electrical equipment.



- (39) "Electronic Cleaner" means a product labeled for the removal of dirt, moisture, dust, flux, or oxides from the internal components of electronic or precision equipment such as circuit boards, and the internal components of electronic devices, including but not limited to, radios, compact disc (CD) players, digital video disc (DVD) players, and computers. "Electronic Cleaner" does not include "General Purpose Cleaner," "General Purpose Degreaser," "Dusting Aid," "Pressurized Gas Duster," "Engine Degreaser," "Electrical Cleaner," "Energized Electrical Cleaner," "Anti-Static Product," or products labeled to clean the casings or housings of electronic equipment. "Electronic Cleaner" does not include any product that meets both of the following criteria:
- 1) the product is labeled to clean and/or degrease electronic equipment, where cleaning and/or degreasing is accomplished when electrical current exists, or when there is a residual electrical potential from a component;
  - 2) the product label clearly displays the statements: "Energized Electronic Equipment use only."
- (40) "Energized Electrical Cleaner" means a product that meets the following criteria:
- (A) the product is labeled to clean and/or degrease electrical equipment, where cleaning and/or degreasing can only be performed when electrical current exists, or when there is a residual electrical potential from a component such as a capacitor;
  - (B) the product label clearly displays the statements: "Energized Equipment use only. Not to be used for motorized vehicle maintenance, or their parts;" and
  - (C) "Energized Electrical Cleaner" does not include
    1. "Electronic Cleaner;" or
    2. Products manufactured on or after January 1, 2023, that are sold to "Automotive Maintenance Facilities" or "Automotive Repair Facilities," as defined in California Code of Regulations, title 17, section 93111(c)(4).
- (41) "Engine Degreaser" means a cleaning product designed or labeled to remove grease, grime, oil and other contaminants from the external surfaces of engines and other mechanical parts.
- (42) "Executive Officer" means the Executive Officer of the California Air Resources Board (CARB or ARB) or their delegate.

- (43) "Existing Product" means any formulation of the same product category and form sold, supplied, manufactured, or offered for sale in California prior to
- (A) October 21, 1991, for all products listed in section 94509(a) that have initial effective dates of January 1, 1993, or January 1, 1994;
  - (B) January 6, 1993, for all products listed in section 94509(a) that have initial effective dates of January 1, 1995, or January 1, 1997, and charcoal lighter materials subject to section 94509(h);
  - (C) August 16, 1998, for all products listed in section 94509(a) that have initial effective dates of January 1, 2001, January 1, 2002, January 1, 2003, or January 1, 2005;
  - (D) November 19, 2000, for all products in the following product categories listed in section 94509(a): "Nonaerosol General Purpose Degreaser," "Sealant and Caulking Compound," and "Tire Sealant and Inflator."
  - (E) July 20, 2005, for all products listed in section 94509(a) that have an effective date of December 31, 2006, December 31, 2008, or December 31, 2009; and
  - (F) December 8, 2007, for all products listed in section 94509(a) that have an initial effective date of December 31, 2008, or December 31, 2010 for Brake Cleaner, Carburetor or Fuel-Injection Air Intake Cleaner, Aerosol Engine Degreaser, Resilient Flooring Material, Nonresilient Flooring Material, Aerosol General Purpose Degreaser, and Aerosol Temporary Hair Color.
  - (G) July 18, 2009, for all products listed in section 94509(a) that have an initial effective date of December 31, 2010, or December 31, 2012, December 31, 2013, or December 31, 2014.
  - (H) October 20, 2010, for "Multi-purpose Solvent" and "Paint Thinner."
  - (I) December 10, 2011, for "Anti-Seize Lubricant;" "Cutting or Tapping Oil;" "Gear, Chain, or Wire Lubricant;" and "Rust Preventative or Rust Control Lubricant."
- (44) "Fabric Protectant" means a product designed or labeled to be applied to fabric substrates to protect the surface from soiling from dirt or other impurities or to reduce absorption of liquid into the fabric's fibers. "Fabric Protectant" does not include "Waterproofers;" products labeled for use solely on leather; pigmented products that are designed or

labeled to be used primarily for coloring; products used for construction, reconstruction, modification, structural maintenance or repair of fabric substrates; or products that renew or restore fabric. "Fabric Protectant" also does not include "Clear Coating" or "Vinyl/Fabric/Leather/Plastic Coating" as defined in section 94521(a).

- (45) "Fabric Refresher" means a product labeled to neutralize or eliminate odors on nonlaundered fabric including, but not limited to, soft household surfaces, rugs, carpeting, draperies, bedding, automotive interiors, footwear, athletic equipment, clothing and/or on household furniture or objects upholstered or covered with fabrics such as, but not limited to, wool, cotton, or nylon. "Fabric Refresher" does not include "Anti-static Product," "Carpet/Upholstery Cleaner," "Footwear or Leather Care Product," "Spot Remover," or "Disinfectant," or products labeled for application to both fabric and human skin.
- (46) "Fabric Softener-Single Use Dryer Product" means a laundry care product designed or labeled for single use in the clothes dryer to impart softness to, or control static cling of, a load of washable fabrics; and may impart a fragrance or scent. For the purpose of this definition only, "single use" means a product that is intended for one time use during a single drying cycle and is removed after completion of the drying cycle. A "load" is the amount of washable fabrics in a single drying cycle. "Fabric Softener-Single Use Dryer Product" includes treated nonwoven sheets which are typically packaged in boxes with a multiple number of sheets. "Fabric Softener-Single Use Dryer Product" does not include products applied to washable fabrics prior to placing the washable fabrics in the clothes dryer.
- (47) "Facial Cleaner or Soap" means a cleaner or soap designed primarily to clean the face. "Facial Cleaner or Soap" includes, but is not limited to, facial cleansing creams, semisolids, liquids, lotions, and substrate-impregnated forms. "Facial Cleaner or Soap" does not include prescription drug products, "Antimicrobial Hand or Body Cleaner or Soap," "Astringent/Toner," "General-use Hand or Body Cleaner or Soap," "Medicated Astringent/Medicated Toner," or "Rubbing Alcohol."
- (48) "Fat Wood" means pieces of wood kindling with high naturally-occurring levels of sap or resin which enhance ignition of the kindling. "Fat wood" does not include any kindling with substances added to enhance flammability, such as wax-covered or wax-impregnated wood-based products.

- (49) "Floor Coating" means an opaque coating that is labeled and designed for application to flooring, including but not limited to, decks, porches, steps, and other horizontal surfaces which may be subject to foot traffic.
- (50) "Floor Maintenance Product" means any product designed or labeled to restore, maintain, or enhance a previously applied floor finish. "Floor Maintenance Product" includes, but is not limited to, products that are labeled as Spray Buff products or Floor Maintainers or Restorers. "Floor Maintenance Product" does not include floor polish products, products designed solely for the purpose of cleaning, products designed or labeled exclusively for use on marble floors, or coatings subject to architectural coatings regulations.
- (51) "Floor Polish or Wax" means a product designed or labeled to polish, wax, condition, protect, temporarily seal, or otherwise enhance floor surfaces by leaving a protective finish that is designed or labeled to be periodically replenished. "Floor Polish or Wax" does not include "Floor Maintenance Products," "Floor Wax Stripper," or coatings subject to architectural coatings regulations.
- "Floor Polish or Wax" is divided into three subcategories: products for resilient flooring materials, products for nonresilient flooring materials and wood floor wax. For the purposes of this
- (A) "Resilient Flooring Material" means flexible flooring material including but is not limited to, asphalt, cork, linoleum, no-wax, rubber, seamless vinyl, and vinyl composite flooring.
- (B) "Nonresilient Flooring Material" means flooring of a mineral content which is not flexible. "Nonresilient Flooring material" includes but is not limited to terrazzo, marble, slate, granite, brick, stone, ceramic tile, and concrete.
- (C) "Wood Floor Wax" means any wax-based products designed or labeled for use solely on wood floors. "Wood Floor Wax" does not include products that make the claim to "clean and wax" or "clean and polish."
- (52) "Floor Seam Sealer" means any product designed and labeled exclusively for bonding, fusing, or sealing (coating) seams between adjoining rolls of installed flexible sheet flooring.
- (53) "Floor Wax Stripper" means a product designed to remove natural or synthetic floor polishes or waxes through breakdown of the polish or wax polymers, or by dissolving or emulsifying the polish or wax. "Floor

Wax Stripper” does not include aerosol floor wax strippers or products designed to remove floor wax solely through abrasion.

- (54) “Footwear or Leather Care Product” means any product designed or labeled to be applied to footwear or to other leather articles/components, to maintain, enhance, clean, protect, or modify the appearance, durability, fit, or flexibility of the footwear or leather article/component. Footwear includes both leather and nonleather foot apparel. “Footwear or Leather Care Product” does not include “Fabric Protectant,” “General Purpose Adhesive,” “Contact Adhesive,” “Vinyl/Fabric/Leather/Plastic Coating,” as defined in section 94521(a), “Rubber/Vinyl Protectant,” “Fabric Refresher,” products solely for deodorizing, or sealant products with adhesive properties used to create external protective layers greater than 2 millimeters thick.
- (55) “Fragrance” means a substance or complex mixture of aroma chemicals, natural essential oils, and other functional components with a combined vapor pressure not in excess of 2 mm of Hg at 20oC, the sole purpose of which is to impart an odor or scent, or to counteract a malodor.
- (56) “Furniture Maintenance Product” means a wax, polish, conditioner, or any other product labeled for the purpose of polishing, protecting or enhancing finished wood surfaces other than floors, and other furniture surfaces including but not limited to acrylics, ceramic, plastics, stone surfaces, metal surfaces, and fiberglass. “Furniture Maintenance Product” does not include “Dusting Aid,” “Wood Cleaner,” and products designed solely for the purpose of cleaning, or products designed to leave a permanent finish such as stains, sanding sealers and lacquers.
- (57) “Furniture Coating” means any paint designed for application to room furnishings including, but not limited to, cabinets (kitchen, bath and vanity), tables, chairs, beds, and sofas.
- (58) “Gel” means a colloid in which the disperse phase has combined with the continuous phase to produce a semisolid material, such as jelly.
- (59) “General Purpose Cleaner” means:
- (A) for products manufactured before January 1, 2015: a product labeled to clean a variety of hard surfaces. “General Purpose Cleaner” includes, but is not limited to, products designed or labeled for general floor cleaning, kitchen, countertop, or sink cleaning, and cleaners designed or labeled to be used on a variety of hard surfaces such as stovetops, cooktops, or microwaves.

- (B) for products manufactured on or after January 1, 2015: a product that is designed or labeled to clean hard surfaces in homes, garages, patios, commercial, or institutional environments. "General Purpose Cleaner" includes products that clean kitchens, sinks, appliances, counters, walls, cabinets or floors and products that claim to clean a variety of similar surfaces such as plastics, stone or metal. "General Purpose Cleaner" does not include "Single Purpose Cleaner" or "Furniture Maintenance Product."
- (60) "General Purpose Degreaser" means:
- (A) for products manufactured before December 31, 2012: any product labeled to remove or dissolve grease, grime, oil and other oil-based contaminants from a variety of substrates, including automotive or miscellaneous metallic parts. "General Purpose Degreaser" does not include "Engine Degreaser," "General Purpose Cleaner," "Adhesive Remover," "Electronic Cleaner," "Electrical Cleaner," "Energized Electrical Cleaner," and "Metal Polish or Cleanser." "General Purpose Degreaser" also does not include products used exclusively in "solvent cleaning tanks or related equipment," or products that are (A) sold exclusively to establishments which manufacture or construct goods or commodities; and (B) labeled "not for retail sale." "Solvent cleaning tanks or related equipment" includes, but is not limited to, cold cleaners, vapor degreasers, conveyORIZED degreasers, film cleaning machines, or products designed to clean miscellaneous metallic parts by immersion in a container.
  - (B) for products manufactured on or after December 31, 2012, but before January 1, 2015: any product labeled to remove or dissolve grease, grime, oil and other oil-based contaminants from a variety of substrates, including automotive or miscellaneous metallic parts. "General Purpose Degreaser" does not include "Adhesive Remover," "Electrical Cleaner," "Electronic Cleaner," "Energized Electrical Cleaner," "Engine Degreaser," "General Purpose Cleaner," "Metal Polish or Cleanser," or "Oven or Grill Cleaner." "General Purpose Degreaser" also does not include products used exclusively in "solvent cleaning tanks or related equipment," or products that are (A) exclusively sold directly or through distributors to establishments which manufacture or construct goods or commodities; and (B) labeled exclusively for "use in the manufacturing process only." "Solvent cleaning tanks or related equipment" includes, but is not limited to, cold cleaners, vapor degreasers, conveyORIZED degreasers, film cleaning machines, or products designed to clean miscellaneous metallic parts by immersion in a container.

- (C) for products manufactured on or after January 1, 2015: any product that is designed or labeled to remove or dissolve grease, grime, oil or other oil-based contaminants from a variety of substrates, including automotive or miscellaneous metallic parts. "General Purpose Degreaser" does not include "Adhesive Remover," "Electrical Cleaner," "Electronic Cleaner," "Energized Electrical Cleaner," "Engine Degreaser," "General Purpose Cleaner," "Metal Polish or Cleanser," "Oven or Grill Cleaner," or "Single Purpose Degreaser." "General Purpose Degreaser" also does not include products used exclusively in "solvent cleaning tanks or related equipment," or products that are (A) exclusively sold directly or through distributors to establishments which manufacture or construct goods or commodities; and (B) labeled exclusively for "use in the manufacturing process only." "Solvent cleaning tanks or related equipment" includes, but is not limited to, cold cleaners, vapor degreasers, conveyORIZED degreasers, film cleaning machines, or products designed to clean miscellaneous metallic parts by immersion in a container.
- (61) "General-use Hand or Body Cleaner or Soap" means a cleaner or soap designed to be used routinely on the skin to clean or remove typical or common dirt and soils. "General-use Hand or Body Cleaner or Soap" includes, but is not limited to, hand or body washes, dual-purpose shampoo-body cleaners, shower or bath gels, and moisturizing cleaners or soaps. "General-use Hand or Body Cleaner or Soap" does not include prescription drug products, "Antimicrobial Hand or Body Cleaner or Soap," "Astringent/Toner," "Facial Cleaner or Soap," "Hand Dishwashing Detergent" (including antimicrobial), "Heavy-duty Hand Cleaner or Soap," "Medicated Astringent/Medicated Toner," or "Rubbing Alcohol."
- (62) "Glass Cleaner" means a cleaning product designed or labeled primarily for cleaning surfaces made of glass. "Glass Cleaner" does not include products designed or labeled solely for the purpose of cleaning optical materials used in eyeglasses, photographic equipment, scientific equipment and photocopying machines.
- (63) "Global Warming Potential (GWP)" means the radiative forcing impact of one mass-based unit of a given greenhouse gas relative to an equivalent unit of carbon dioxide over a given period of time.
- (64) "Global Warming Potential Value" or "GWP Value" means the global warming potential value of a chemical or compound as specified in the IPCC: 1995 Second Assessment Report (SAR), Table 2.14, in Climate Change 2007: The Physical Sciences Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental

Panel on Climate Change, which is incorporated by reference herein.

If Table 2.14 does not contain a SAR 100-year GWP Value for a specific chemical or compound, then the 100-year GWP Value in Table 2.14 for that chemical or compound shall be used. If there is no 100-year GWP Value for a chemical or compound listed in Table 2.14 or GWP Value listed in Table 2.15, then the GWP Value is assumed to be equal to the GWP limit of the applicable product category.

- (65) "Graffiti Remover" means a product labeled to remove spray paint, ink, marker, crayon, lipstick, nail polish, or shoe polish, from a variety of noncloth or nonfabric substrates. "Graffiti Remover" does not include "Paint Remover or Stripper," "Nail Polish Remover," or "Spot Remover." Products labeled for dual use as both a paint stripper and graffiti remover are considered "Graffiti Removers."
- (66) "Gum or Candle Wax Remover" means a product designed or labeled exclusively to remove chewing gum and/or candle wax from soft surfaces such as carpet, rugs, upholstery, or fabric.
- (67) "Hair Finishing Spray" means a product that is labeled for application to hair once styling is complete, and includes products that are labeled for both hair styling and finishing. "Hair Finishing Spray" does not include products labeled for hair styling but not labeled for finishing the hair style.

For the purposes of this category, "finish" or "finishing" means the maintaining and/or holding of a hairstyle once all styling is complete.

For the purposes of this category, "styling" means forming, sculpting, or manipulating the hair to alter the hair's shape.

- (68) "Hair Mousse" means a hairstyling foam designed to facilitate styling of a coiffure and provide limited holding power.
- (69) "Hair Shine" means any product labeled for the primary purpose of creating a shine when applied to the hair. "Hair Shine" includes, but is not limited to, dual-use products designed primarily to impart a sheen to the hair. "Hair Shine" does not include "Hair Finishing Spray," "Hair Mousse," or "Hair Styling Product."
- (70) "Hair Styling Product" means a consumer product that is designed or labeled for application to wet, damp or dry hair to aid in defining, shaping, lifting, styling and/or sculpting of the hair. "Hair Styling Product" includes, but is not limited to, hair balm, clay, cream, creme, curl straightener, gel, liquid, lotion, paste, pomade, putty, root lifter,



serum, spray gel, stick, temporary hair straightener, wax, spray products that aid in styling but do not provide finishing of a hair style, and leave-in volumizers, detanglers and/or conditioners that make styling claims. "Hair Styling Product" does not include "Dry Shampoo," "Thermal Protectant," "Hair Mousse," "Hair Shine," "Hair Finishing Spray," or shampoos or conditioners that are rinsed from the hair prior to styling.

For the purposes of this subchapter, "finish" or "finishing" means the maintaining and/or holding of a hairstyle once all styling is complete.

For the purposes of this subchapter, "styling" means forming, sculpting, or manipulating the hair to alter the hair's shape.

- (71) "Heavy-Duty Hand Cleaner or Soap" means a product designed to clean or remove difficult dirt and soils such as oil, grease, grime, tar, shellac, putty, printer's ink, paint, graphite, cement, carbon, asphalt, or adhesives from the hand with or without the use of water. "Heavy-duty Hand Cleaner or Soap" does not include prescription drug products, "Antimicrobial Hand or Body Cleaner or Soap," "Astringent/Toner," "Facial Cleaner or Soap," "General-use Hand or Body Cleaner or Soap," "Medicated Astringent/Medicated Toner" or "Rubbing Alcohol."
- (72) "Herbicide" means a pesticide product designed to kill or retard a plant's growth, but excludes products that are: (A) for agricultural use, or (B) restricted materials that require a permit for use and possession.
- (73) "High-Temperature Coating" means a high performance coating labeled and formulated for application to substrates exposed continuously or intermittently to temperatures above 204°C (400°F).
- (74) "Household Product" means any consumer product that is primarily designed to be used inside or outside of living quarters or residences that are occupied or intended for occupation by individuals, including the immediate surroundings.
- (75) "Industrial Maintenance Coating" means a high performance architectural coating, including primers, sealers, undercoaters, intermediate coats, and topcoats formulated for application to substrates, including floors, exposed to one or more of the following extreme environmental conditions listed below and labeled "For industrial use only;" "For professional use only;" "Not for residential use;" or "Not intended for residential use."
  - (A) Immersion in water, wastewater, or chemical solutions (aqueous and nonaqueous solutions), or chronic exposure of interior surfaces to moisture condensation; or

- (B) Acute or chronic exposure to corrosive, caustic or acidic agents, or to chemicals, chemical fumes, or chemical mixtures or solutions; or
  - (C) Frequent exposure to temperatures above 121°C (250°F); or
  - (D) Frequent heavy abrasion, including mechanical wear and frequent scrubbing with industrial solvents, cleansers, or scouring agents; or
  - (E) Exterior exposure of metal structures and structural components.
- (76) "Insect Repellent" means a pesticide product that is designed to be applied on human skin, hair or attire worn on humans in order to prevent contact with or repel biting insects or arthropods.
- (77) "Insecticide" means a pesticide product that is designed for use against insects or other arthropods, but excluding products that are: for agricultural use, or for a use which requires a structural pest control license under Chapter 14 (commencing with Section 8500) of the Business and Professions Code, or restricted materials that require a permit for use and possession.

"Insecticide" includes the following subcategories (A-G):

- (A) "Bed Bug Insecticide" means any insecticide product that is designed for use against the adult, nymph, or eggs of insects that belong to the family Cimicidae and the genus Cimex, which includes species such as Cimex lectularius (Common Bed Bugs) and Cimex hemipterus (Tropical Bed Bugs.)
- (B) "Crawling Bug Insecticide" means any insecticide product that is designed for use against ants, cockroaches, or other household crawling arthropods, such as mites, silverfish or spiders. "Crawling Bug Insecticide" does not include products designed to be used exclusively on humans or animals, or any house dust mite product. For the purposes of this definition only:

"House dust mite product" means a product whose label, packaging, or accompanying literature states that the product is suitable for use against house dust mites, but does not indicate that the product is suitable for use against ants, cockroaches, or other household crawling arthropods.

"House dust mite" means mites which feed primarily on skin cells shed in the home by humans and pets and which belong to the phylum Arthropoda, the subphylum Chelicerata, the class

Arachnida, the subclass Acari, the order Astigmata, or the family Pyroglyphidae.

- (C) "Flea or Tick Insecticide" means any insecticide product that is designed for use against fleas, ticks, their larvae, or their eggs. "Flea or Tick Insecticide" does not include products that are designed to be used exclusively on humans or animals or their bedding.
  - (D) "Flying Bug Insecticide" means any insecticide product that is designed for use against flying insects or other flying arthropods such as flies, mosquitoes, moths, or gnats. "Flying Bug Insecticide" does not include "Wasp or Hornet Insecticide," products that are designed to be used exclusively on humans or animals, or any moth-proofing product. For the purposes of this definition only, "moth-proofing product" means a product whose label, packaging, or accompanying literature indicates that the product is designed to protect fabrics from damage by moths, but does not indicate that the product is suitable for use against flying insects or other flying arthropods.
  - (E) "Insecticide Fogger" means any insecticide product designed to release all or most of its content, as a fog or mist, into indoor areas during a single application.
  - (F) "Lawn or Garden Insecticide" means an insecticide product labeled primarily to be used in household lawn or garden areas to protect plants from insects or other arthropods. Notwithstanding the requirements of section 94512(a) aerosol "Lawn or Garden Insecticide" may claim to kill insects or other arthropods.
  - (G) "Wasp or Hornet Insecticide" means any insecticide product that is designed for use against wasps, hornets, yellow jackets or bees by allowing the user to spray from a distance a directed stream or burst at the intended insects, or their hiding place.
- (78) "Institutional Product" or "Industrial and Institutional (I&I) Product" means a consumer product that is designed for use in the maintenance or operation of an establishment that: (A) manufactures, transports, or sells goods or commodities, or provides services for profit; or (B) is engaged in the nonprofit promotion of a particular public, educational, or charitable cause. "Establishments" include, but are not limited to, government agencies, factories, schools, hospitals, sanitariums, prisons, restaurants, hotels, stores, automobile service and parts centers, health clubs, theaters, or transportation companies. "Institutional Product" does not include household products and products that are

incorporated into or used exclusively in the manufacture or construction of the goods or commodities at the site of the establishment.

- (79) "Label" means any written, printed, or graphic matter affixed to, applied to, attached to, blown into, formed, molded into, embossed on, or appearing upon any consumer product or consumer product package, for purposes of branding, identifying, or giving information with respect to the product or to the contents of the package.
- (80) "Laundry Prewash" means a product that is designed for application to a fabric prior to laundering in a wet-cleaning process, and that supplements and contributes to the effectiveness of laundry detergents and/or provides specialized performance.
- (81) "Laundry Starch/Sizing/Fabric Finish Product" means a product that is labeled for application to a fabric, either during or after laundering, to impart and prolong a crisp, fresh look and may also act to help ease ironing of the fabric. "Laundry Starch/Sizing/Fabric Finish Product" includes, but is not limited to, starch, sizing, and fabric finish.
- (82) "Liquid" means a substance or mixture of substances which is capable of a visually detectable flow as determined under ASTM D-4359-90 (May 25, 1990) Standard Test Method for Determining Whether a Material Is a Liquid or a Solid, which is incorporated by reference herein. "Liquid" does not include powders or other materials that are composed entirely of solid particles.
- (83) "Lubricant" means:
- (A) for products manufactured before December 31, 2012: a product that reduces friction, heat, noise, or wear between moving parts, or loosens rusted or immovable parts or mechanisms. "Lubricant" does not include automotive power steering fluids; products designed and labeled exclusively to release manufactured products from molds; products for use inside power generating motors, engines, and turbines, and their associated power-transfer gearboxes; two cycle oils or other products designed to be added to fuels; products for use on the human body or animals; or products that are (1) sold exclusively to establishments which manufacture or construct goods or commodities, and (2) labeled "not for retail sale."
- (B) for products manufactured on or after December 31, 2012: a product that reduces friction, heat, noise, or wear between moving parts, or loosens rusted or immovable parts or mechanisms. "Lubricant" does not include automotive power steering fluids;

products designed and labeled exclusively to release manufactured products from molds; products for use inside power generating motors, engines, and turbines, and their associated power-transfer gearboxes; two cycle oils or other products designed to be added to fuels; products for use on the human body or animals; or products that are (1) exclusively sold directly or through distributors to establishments which manufacture or construct goods or commodities, and (2) labeled exclusively for "use in the manufacturing process only." "Lubricant" includes products labeled for use in food-servicing environments that include, but are not limited to, restaurants and food stores.

(C) "Lubricant" includes the following subcategories (1.-9.):

1. "Anti-seize Lubricant" means any "Lubricant" designed or labeled exclusively for use in high temperature or high pressure conditions to prevent moving metal parts from seizing or galling, and/or to facilitate disassembly of metal parts. A lubricant that meets the definition for "Firearm Lubricant" is not an "Anti-seize Lubricant."
2. "Cutting or Tapping Oil" means any "Lubricant" designed or labeled exclusively for drilling, cutting, or tapping metals.
3. "Dry Lubricant" means any "Lubricant" which provides lubricity solely by depositing a thin film of solid material including, but not limited to, graphite, molybdenum disulfide ("moly"), polytetrafluoroethylene or closely related fluoropolymer ("teflon"), or boron nitride on surfaces. Products that meet the definition for "Dry Lubricant" are not subject to the requirements for "Anti-seize Lubricant," "Cutting or Tapping Oil," "Gear, Chain, or Wire Lubricant," "Multi-purpose Lubricant," "Penetrant," "Rust Preventative or Rust Control Lubricant," or "Silicone-based Multi-purpose Lubricant."
4. "Firearm Lubricant" means any "Lubricant" designed or labeled exclusively for use on firearms or their parts to lubricate or to provide corrosion or rust prevention.
5. "Gear, Chain, or Wire Lubricant" means any "Lubricant" designed or labeled exclusively for use on gears, chains, or wire ropes. "Gear, Chain or Wire Lubricant" does not include lubricant products labeled solely for use on chains of chain-driven vehicles.

6. "Multi-purpose Lubricant" means any "Lubricant" designed or labeled for general purpose lubrication, or a lubricant labeled for use in a wide variety of applications. Products that meet the definition for "Anti-seize Lubricant," "Cutting or Tapping Oil," "Dry Lubricant," "Firearm Lubricant," "Gear, Chain, or Wire Lubricant," "Penetrant," "Rust Preventative or Rust Control Lubricant," "Silicone-based Multi-purpose Lubricant," or other lubricant products labeled solely for a single purpose are not "Multi-purpose Lubricants."
  7. "Penetrant" means a "Lubricant" designed or labeled primarily to loosen metal parts that have bonded together due to rusting, oxidation, or other causes. Lubricants that claim to have penetrating qualities, but are not labeled primarily to loosen bonded parts are not "Penetrant" products.
  8. "Rust Preventative or Rust Control Lubricant" means any "Lubricant" designed or labeled primarily for the prevention or control of rust. A Lubricant that meets the definition for "Firearm Lubricant" is not a "Rust Preventative or Rust Control Lubricant."
  9. "Silicone-based Multi-purpose Lubricant" means any "Lubricant" which is designed or labeled for general lubrication or for use in a wide variety of applications, in which lubricity is primarily provided through the use of silicone compounds including, but not limited to, polydimethylsiloxane. "Silicone-based Multi-purpose Lubricant" does not include silicone-based lubricant products labeled solely for a single purpose.
- (84) "LVP-VOC" means a chemical "compound" or "mixture" that contains at least one carbon atom and meets one of the following:
- (A) has a vapor pressure less than 0.1 mm Hg at 20°C, as determined by CARB Method 310; or
  - (B) is a chemical "compound" with more than 12 carbon atoms, or a chemical "mixture" comprised solely of "compounds" with more than 12 carbon atoms, as verified by formulation data, and the vapor pressure and boiling point are unknown; or
  - (C) is a chemical "compound" with a boiling point greater than 216°C, as determined by CARB Method 310; or

(D) is the weight percent of a chemical "mixture" that boils above 216°C, as determined by CARB Method 310.

For the purposes of the definition of LVP-VOC, chemical "compound" means a molecule of definite chemical formula and isomeric structure, and chemical "mixture" means a substance comprised of two or more chemical "compounds."

- (85) "Manufacturer" means any person who imports, manufactures, assembles, produces, packages, repackages, or relabels a consumer product.
- (86) "Medicated Astringent/Medicated Toner" means any product regulated as a drug by the Food and Drug Administration (FDA) which is applied to the skin for the purpose of cleaning or tightening pores. "Medicated Astringent/Medicated Toner" includes, but is not limited to, clarifiers and substrate-impregnated products. "Medicated Astringent/Medicated Toner" does not include hand, face, or body cleaner or soap products, "Personal Fragrance Product," "Astringent/Toner," cold cream, lotion, antiperspirants, or products that must be purchased with a doctor's prescription.
- (87) "Metal Polish or Cleanser" means any product designed or labeled to improve the appearance and/or protect finished metal, metallic, or metallized surfaces by physical or chemical action. To "improve the appearance" means to remove, or reduce stains, impurities, or oxidation from surfaces or to make surfaces smooth and shiny. "Metal Polish or Cleanser" includes, but is not limited to metal polishes used on brass, silver, chrome, copper, stainless steel and other ornamental metals. "Metal Polish or Cleanser" does not include "Automotive Wax, Polish, Sealant or Glaze," "General Purpose Cleaner," "Tire or Wheel Cleaner," "Paint Remover or Stripper," products designed and labeled exclusively for automotive and marine detailing, or products designed for use in degreasing tanks.
- (88) "Motor Vehicle Wash" means a product designed or labeled to wash, wash and wax, wash and shine, or wash and/or clean the exterior surface of motor vehicles. "Motor Vehicle Wash" includes, but is not limited to, products for use in commercial, fleet, hand, and "drive through" car washes; commercial truck washing or large vehicle washing stations; vehicle dealers and repair shops as well as products intended for household consumer use. "Motor Vehicle Wash" does not include "Bug and Tar Remover," "Glass Cleaner," "Tire or Wheel Cleaner," and products labeled for use exclusively on locomotives or aircraft.

(89) "Multi-purpose Solvent" means:

- (A) for products manufactured before January 1, 2015: any liquid product designed or labeled to be used for dispersing, dissolving, or removing contaminants or other organic materials. "Multi-purpose Solvent" includes: 1. products that do not display specific use instructions on the product container or packaging; 2. products that do not specify an end-use function or application on the product container or packaging; 3. solvents used in institutional facilities, except for laboratory reagents used in analytical, educational, research, scientific or other laboratories; 4. "Paint clean-up" products; and 5. products labeled to prepare surfaces for painting. For the purposes of this definition only, "Paint clean-up" means any liquid product labeled for cleaning oil-based or water-based paint, lacquer, varnish, or related coatings from, but not limited to, painting equipment or tools, plastics, or metals. "Multi-purpose Solvent" does not include 1. solvents used in cold cleaners, vapor degreasers, conveyORIZED degreasers or film cleaning machines; 2. solvents labeled exclusively for the clean-up of application equipment used for polyaspartic and polyurea coatings; 3. products that are labeled exclusively to clean a specific contaminant, on a single substrate, in specific situations; or 4. except as provided in section 94509(p)(4)(A), any product making any representation that the product may be used as, or is suitable for use as a consumer product which meets another definition in section 94508(a); such products are not "Multi-purpose Solvents" and are subject to the "Most Restrictive Limit" provisions of section 94512(a).
- (B) for products manufactured on or after January 1, 2015: any product designed or labeled to be used for dispersing, dissolving, or removing contaminants or other organic materials.

"Multi-purpose Solvent" includes:

1. products that do not display specific use instructions on the product container or packaging;
2. products that do not display an end-use function or application on the product container or packaging;
3. solvents used in institutional facilities;
4. products labeled as "Paint Clean-Up," or products designed or labeled for cleaning oil-based or water-based paint,



lacquer, varnish, or related coatings from painting equipment or tools, plastics, or metals;

5. products labeled to prepare surfaces for painting; and
6. products that display on the Principal Display Panel a specific chemical name. Examples of specific chemical names include mineral spirits, ketone, turpentine, toluene, xylene(s), acetone, naphtha, or alcohol.

“Multi-purpose Solvent” does not include:

1. solvents used in cold cleaners, vapor degreasers, conveyORIZED degreasers or film cleaning machines;
2. solvents labeled exclusively for the clean-up of application equipment used for polyaspartic and polyurea coatings;
3. products that are labeled exclusively to clean a specific contaminant, on a single substrate;
4. “Rubbing Alcohol;”
5. laboratory reagents used in analytical, educational, research, scientific or other laboratories; and
6. products that are used exclusively for the thinning of “Industrial Maintenance Coatings,” “Zinc –Rich Primers,” or “High Temperature Coatings” that meet both of the following criteria:
  - a. the Responsible Party also manufactures for sale in California “Industrial Maintenance Coatings,” “Zinc –Rich Primers,” or “High Temperature Coatings;” and
  - b. the label states the specific product or brand of the “Industrial Maintenance Coating,” “Zinc-Rich Primer,” or “High Temperature Coating” for which the product is used.
7. denatured alcohol products that are sold directly or through distributors to a “Public Utility” as defined by §216 of the Public Utilities Code, and is used to maintain electrical equipment that meet both of the following criteria:
  - a. the equipment is owned by a “Public Utility”; and

b. the equipment manufacturer states that maintenance can only be performed with denatured alcohol.

- (90) "Nail Polish" means any clear or colored coating designed for application to the fingernails or toenails and including but not limited to, lacquers, enamels, acrylics, base coats and top coats.
- (91) "Nail Polish Remover" means a product designed to remove nail polish and coatings from fingernails or toenails.
- (92) "Nonaerosol" means any product which is not an "Aerosol Product."
- (93) "Noncarbon Containing Compound" means any compound which does not contain any carbon atoms.
- (94) "Nonselective Terrestrial Herbicide" means a terrestrial herbicide product that is toxic to plants without regard to species.
- (95) "Odor Remover/Eliminator" means a product that is designed or labeled to be applied exclusively to hard surfaces to inhibit the ability of soils to create malodors, or functions to entrap, encapsulate, neutralize, convert or eliminate malodor molecules. "Odor Remover/Eliminator" does not include products designed or labeled for use in cleaning soils from hard surfaces, laundering, softening, de-wrinkling or cleaning fabrics, or dishwashing, or products that are defined as "Air Freshener," "Bathroom and Tile Cleaner," "Carpet/Upholstery Cleaner," "Fabric Refresher," "General Purpose Cleaner," "Toilet/Urinal Care Product," "Disinfectant," or "Sanitizer."
- (96) "Oven or Grill Cleaner" means a product labeled exclusively to remove baked on greases and/or deposits from food preparation and/or food cooking surfaces. A product that is labeled as an "Oven or Grill Cleaner" that makes claims that it is suitable for degreasing other hard surfaces is a "General Purpose Degreaser." A product that is labeled as an "Oven or Grill Cleaner" that makes claims that it is suitable for cleaning other hard surfaces is a "General Purpose Cleaner."
- (97) "Paint" means any pigmented liquid, liquefiable, or mastic composition designed for application to a substrate in a thin layer which is converted to an opaque solid film after application and is used for protection, decoration or identification, or to serve some functional purpose such as the filling or concealing of surface irregularities or the modification of light and heat radiation characteristics.
- (98) "Paint Remover or Stripper" means any product designed to strip or remove paints or other related coatings, by chemical action, from a substrate without markedly affecting the substrate. "Paint Remover or

Stripper” does not include “Multi-purpose Solvent,” paint brush cleaners, products designed and labeled exclusively as “Graffiti Remover,” and hand cleaner products that claim to remove paints and other related coatings from skin.

(99) “Paint Thinner” means:

(A) for products manufactured before January 1, 2015: any liquid product used for reducing the viscosity of coating compositions or components, that prominently displays the term “Paint Thinner,” “Lacquer Thinner,” “Thinner,” or “Reducer” on the front panel of its packaging. “Paint Thinner” does not include any of the following products:

1. “Artist’s Solvent/Thinner;”
2. products that are sold in containers with a capacity of 5 gallons or more and labeled exclusively for the thinning of “Industrial Maintenance Coatings,” “Zinc-Rich Primers,” or “High Temperature Coatings;”
3. products labeled and used exclusively as an ingredient in a specific coating or coating brand line, whereby the coating would not be complete or useable without the specific ingredient; and
4. products that meet both of the following criteria:
  - a. the Principal Display Panel of the product displays, in a font size as large as, or larger than, the font size of all other words on the Principal Display Panel, language that the product is used exclusively for the thinning of “Industrial Maintenance Coatings,” “Zinc-Rich Primers,” or “High Temperature Coatings,” and
  - b. no representation is made anywhere on the product container or packaging, or any label or sticker attached thereto, that the product is suitable for use or may be used for any other purpose except the thinning of “Industrial Maintenance Coatings,” “Zinc-Rich Primers,” or “High Temperature Coatings.”

(B) for products manufactured on or after January 1, 2015: any product that is designed or labeled to reduce the viscosity of coating compositions or components, or a product that prominently displays terms such as “Paint Thinner,” “Lacquer Thinner,” “Thinner,” or “Reducer” on the label. “Paint Thinner”

includes aerosol products that provide a seamless transition between finishes, except for "Uniform Finish Coating" as defined in section 94521(a).

"Paint Thinner" does not include any of the following products:

1. "Artist's Solvent/Thinner;"
2. "Rubbing Alcohol;"
3. products that are sold in containers with a capacity of 5 gallons or more and labeled exclusively for the thinning of "Industrial Maintenance Coatings," "Zinc –Rich Primers," or "High Temperature Coatings" that meet both of the following criteria:
  - a. the Responsible Party also manufactures for sale in California "Industrial Maintenance Coatings," "Zinc –Rich Primers," or "High Temperature Coatings;" and
  - b. the label states the specific product or brand of the "Industrial Maintenance Coating," "Zinc –Rich Primer," or "High Temperature Coating" for which the thinning product is to be used.
4. products labeled and used exclusively as an ingredient in a specific coating or coating brand line, whereby the coating would not be complete or useable without the specific ingredient; and
5. products that meet all of the following criteria:
  - a. the Principal Display Panel of the product displays, in a font size as large as, or larger than, the font size of all other words on the Principal Display Panel, excluding the company name, brand name, and logo, language that the product is used exclusively for the thinning of "Industrial Maintenance Coatings," "Zinc-Rich Primers," or "High Temperature Coatings;"
  - b. no representation is made anywhere on the product container or packaging, or any label or sticker attached thereto, that the product is suitable for use or may be used for any other purpose except the thinning of "Industrial Maintenance Coatings," "Zinc-Rich Primers," or "High Temperature Coatings;"

- c. the Responsible Party also manufactures for sale in California "Industrial Maintenance Coatings," "Zinc –Rich Primers," or "High Temperature Coatings;" and
  - d. the label states the specific product or brand of the "Industrial Maintenance Coating," "Zinc –Rich Primer," or "High Temperature Coating" for which the thinning product is to be used.
- (100) "Person" shall have the same meaning as defined in Health and Safety Code Section 39047.
- (101) "Personal Fragrance Product" means any product which is applied to the human body or clothing for the primary purpose of adding a scent or masking a malodor, including, but not limited to, cologne, perfume, aftershave, toilet water, lotion, powder, body mist, and body spray. "Personal Fragrance Product" does not include: (A) Deodorant, as defined in section 94501(d); (B) medicated products designed primarily to alleviate fungal or bacterial growth on feet or other areas of the body; (C) mouthwashes, breath fresheners and deodorizers; (D) lotions, moisturizers, powders or other skin care products designed or labeled to be used primarily to alleviate skin conditions such as dryness and irritations; (E) products designed exclusively to be applied to human genitalia areas, undergarments, and any paper products, napkins or other products that are affixed to undergarments, such as sanitary pads; (F) soaps, shampoos, and products primarily used to clean the human body; and (G) fragrance products designed to be used exclusively on nonhuman animals.
- (102) "Pesticide" means and includes any substance or mixture of substances labeled, designed, or intended for use in preventing, destroying, repelling or mitigating any pest, or any substance or mixture of substances labeled, designed, or intended for use as a defoliant, desiccant, or plant regulator, provided that the term "pesticide" will not include any substance, mixture of substances, or device which the United States Environmental Protection Agency does not consider to be a pesticide.
- (103) "Pressurized Gas Duster" means a pressurized product labeled to remove dust from a surface solely by means of mass air or gas flow, including surfaces such as photographs, photographic film negatives, computer keyboards, and other types of surfaces that cannot be cleaned with solvents. "Pressurized Gas Duster" does not include "Dusting Aid," "General Purpose Cleaner," "Electrical Cleaner," "Electronic Cleaner," "Energized Electrical Cleaner," or "Anti-Static Product." "Pressurized Gas Duster" does not include products labeled

exclusively to remove dust from equipment where dust removal is accomplished when: electric current exists; residual electrical potential from a component such as a capacitor exists; or an open flame exists, as long as the "Principal Display Panel" clearly displays the statement: "Energized Equipment use only."

- (104) "Principal Display Panel or Panels" means that part, or those parts of a label that are so designed as to most likely be displayed, presented, shown or examined under normal and customary conditions of display or purchase. Whenever a principal display panel appears more than once, all requirements pertaining to the "principal display panel" shall pertain to all such "principal display panels."
- (105) "Product Brand Name" means the name of the product exactly as it appears on the principal display panel of the product.
- (106) "Product Category" means the applicable category which best describes the product as listed in this Section 94508.
- (107) "Product Form," for the purpose of complying with Section 94513 only, means the applicable form which most accurately describes the product's dispensing form as follows:
- A = Aerosol Product
  - S = Solid
  - P = Pump Spray
  - L = Liquid
  - SS = Semisolid
  - O = Other
- (108) "Propellant" means a liquefied or compressed gas that is used in whole or in part, such as a cosolvent, to expel a liquid or any other material from the same self-pressurized container or from a separate container.
- (109) "Pump Spray" means a packaging system in which the product ingredients within the container are not under pressure and in which the product is expelled only while a pumping action is applied to a button, trigger or other actuator.
- (110) "Responsible Party" means the company, firm or establishment which is listed on the product's label. If the label lists two companies, firms or establishments, the responsible party is the party which the product was "manufactured for" or "distributed by," as noted on the label.
- (111) "Restricted Materials" means pesticides established as restricted materials under Title 3, California Code of Regulations, section 6400.

- (112) "Retailer" means any person who sells, supplies, or offers consumer products for sale directly to consumers.
- (113) "Retail Outlet" means any establishment at which consumer products are sold, supplied, or offered for sale directly to consumers.
- (114) "Rubber/Vinyl Protectant" means any product labeled to protect, preserve or renew vinyl, or rubber on vehicles, tires, luggage, furniture, and/or household products such as vinyl covers, clothing, or accessories. "Rubber/Vinyl Protectant" does not include: products labeled to clean the wheel rim, such as aluminum or magnesium wheel cleaners; tire cleaners that do not leave an appearance-enhancing or protective substance on the tire; pigmented products designed or labeled to be used primarily for coloring; products used for construction, reconstruction, modification, structural maintenance or repair of rubber or vinyl substrates; or products, other than those labeled to be used on vehicle tires, qualifying as either "Clear Coating" or "Vinyl/Fabric/Leather/Plastic/ Coating" as defined in section 94521(a).
- (115) "Rubbing Alcohol" means any product containing isopropyl alcohol (also called isopropanol) or denatured ethanol and labeled for topical use, usually to decrease germs in minor cuts and scrapes, to relieve minor muscle aches, as a rubefacient, and for massage.
- (116) "Sanitizer" means a product that is labeled as a "sanitizer," or is labeled to reduce, but not necessarily eliminate, microorganisms in the air, on surfaces, or on inanimate objects, and whose label is registered as a "sanitizer" under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA; 7 U.S.C. section 136 et seq.). Products that are labeled as both a "sanitizer" and a "disinfectant" are considered disinfectants. "Sanitizer" does not include (A) "Disinfectant," (B) products labeled solely for use on humans or animals, (C) products labeled solely for agricultural use, (D) products labeled solely for use in swimming pools, therapeutic tubs, or hot tubs, (E) products which are labeled to be used on heat sensitive critical or semi-critical medical devices or medical equipment surfaces, (F) products which are pre-moistened wipes or towelettes sold exclusively to medical, convalescent or veterinary establishments (G) products which are labeled to be applied to food-contact surfaces and are not required to be rinsed prior to contact with food, or (H) products which are labeled as "Bathroom and Tile Cleaner," "Glass Cleaner," "General Purpose Cleaner," "Toilet/Urinal Care Product," "Metal Polish or Cleanser," "Carpet Cleaner," or "Fabric Refresher" that may also make sanitizing or antimicrobial claims on the label.

(117) "Sealant or Caulking Compound" means any product with adhesive properties that is designed to fill, seal, waterproof, or weatherproof gaps or joints between two surfaces. "Sealant or Caulking Compound" does not include pipe thread sealants or pipe joint compounds; roof cements and roof sealants; insulating foams; removable caulking compounds; clear/paintable/water resistant caulking compounds; floor seam sealers; products designed exclusively for automotive uses; or sealers that are applied as continuous coatings. "Sealant or Caulking Compound" also does not include units of product, less packaging, which weigh more than one pound and consist of more than 16 fluid ounces. For the purposes of this definition only:

"Removable caulking compounds" means a compound which temporarily seals windows or doors for three to six month time intervals.

"Clear/paintable/water resistant caulking compounds" means a compound which contains no appreciable level of opaque fillers or pigments; transmits most or all visible light through the caulk when cured; is paintable; and is immediately resistant to precipitation upon application.

"Sealant or Caulking Compound" is divided into two subcategories:

(A) "Chemically Curing Sealant or Caulking Compound" means any "Sealant or Caulking Compound" which achieves its final composition and physical form through a chemical curing process, where product ingredients participate in a chemical reaction in the presence of a catalyst that causes a change in chemical structure and leads to the release of chemical byproducts. "Chemically Curing Sealant or Caulking Compound" includes, but is not limited to, products that utilize silicone, polyurethane, silyl-terminated polyether, or silyl-terminated polyurethane reactive chemistries. "Chemically Curing Sealant or Caulking Compound" does not include products which are not solely dependent on a chemically curing process to achieve the cured state.

(B) "Nonchemically Curing Sealant or Caulking Compound" means any "Sealant or Caulking Compound" not defined under "Chemically Curing Sealant or Caulking Compound."

(118) "Semisolid" means a product that, at room temperature, will not pour, but will spread or deform easily, including but not limited to gels, pastes, and greases.

(119) "Shaving Cream" means an aerosol product which dispenses a foam lather intended to be used with a blade or cartridge razor, or other wet-



shaving system, in the removal of facial or other bodily hair. "Shaving Cream" does not include "Shaving Gel."

- (120) "Shaving Gel" means an aerosol product which dispenses a post-foaming semi-solid designed to be used with a blade, cartridge razor, or other shaving system in the removal of facial or other bodily hair. "Shaving Gel" does not include "Shaving Cream."
- (121) "Solid" means a substance or mixture of substances which, either whole or subdivided (such as the particles comprising a powder), is not capable of visually detectable flow as determined under ASTM D-4359-90 (May 25, 1990) Standard Test Method for Determining Whether a Material Is a Liquid or a Solid, which is incorporated by reference herein.
- (122) "Single Purpose Cleaner" means a cleaning product that is designed and labeled exclusively to clean one specific object or its parts that is not subject to any other regulated category, except that a cleaning product that claims to clean a single appliance, counter, wall, cabinet or floor is a "General Purpose Cleaner."
- (123) "Single Purpose Degreaser" means a product that is designed and labeled exclusively to degrease one specific object or its parts that is not subject to any other regulated category. "Single Purpose Degreaser" does not include "Adhesive Remover," "Electrical Cleaner," "Electronic Cleaner," "Energized Electrical Cleaner," "Engine Degreaser," "General Purpose Cleaner," "Metal Polish or Cleanser," or "Oven or Grill Cleaner." "Single Purpose Degreaser" also does not include products used exclusively in "solvent cleaning tanks or related equipment," or products that are (A) exclusively sold directly or through distributors to establishments which manufacture or construct goods or commodities; and (B) labeled exclusively for "use in the manufacturing process only." "Solvent cleaning tanks or related equipment" includes, but is not limited to, cold cleaners, vapor degreasers, conveyORIZED degreasers, film cleaning machines, or products designed to clean miscellaneous metallic parts by immersion in a container.
- (124) "Spot Remover" means any product labeled to clean localized areas, or remove localized spots or stains on cloth or fabric such as drapes, carpets, upholstery, or clothing, that may or may not require subsequent laundering to achieve stain removal. "Spot Remover" includes spotting agents used by commercial dry cleaning and "laundering" operations. "Spot Remover" does not include "Laundry Prewash" or aerosol products labeled solely for gum removal.
- (125) "Spray Buff Product" means a product designed to restore a worn floor finish in conjunction with a floor buffing machine and special pad.

- (126) "Table B Compound" means any carbon-containing compound listed as an exception to the definition of VOC in Section 94508.
- (127) "Temporary Hair Color" means any product that applies color, glitter, or UV-active pigments to hair, wigs, or fur and is removable when washed. "Temporary Hair Color" includes hair color mousses and products labeled to add texture or thickness to cover thinning/balding areas. "Temporary Hair Color" does not include "Hair Finishing Spray," "Hair Styling Product," or "Hair Mousse."
- (128) "Terrestrial" means to live on or grow from land.
- (129) "Thermal Protectant" means a product that is designed or labeled solely to be applied to the hair to protect it from heat damage during the use of heated tools such as blow drier, flat iron, and/or curling iron.
- (130) "Tire or Wheel Cleaner" means a product designed or labeled exclusively to clean either tires, wheels, or both. "Tire or Wheel Cleaner" includes, but is not limited to, products for use in commercial, fleet, hand, and "drive-through" car washes; commercial truck washing or large vehicle washing stations; vehicle dealers and repair shops, as well as household consumer products. "Tire or Wheel Cleaner" does not include products labeled for use exclusively on locomotives or aircraft.
- (131) "Tire Sealant and Inflator" means any pressurized product that is designed to temporarily inflate and seal a leaking tire.
- (132) "Toilet/Urinal Care Product" means any product designed or labeled to clean and/or to deodorize toilet bowls, toilet tanks, or urinals. Toilet bowls, toilet tanks, or urinals includes, but is not limited to, toilets or urinals connected to permanent plumbing in buildings and other structures, portable toilets or urinals placed at temporary or remote locations, and toilet or urinals in vehicles such as buses, recreational motor homes, boats, ships, and aircraft. "Toilet/Urinal Care Product" does not include "Bathroom and Tile Cleaner" or "General Purpose Cleaner."
- (133) "Type A Propellant" means a compressed gas such as CO<sub>2</sub>, N<sub>2</sub>, N<sub>2</sub>O, or compressed air which is used as a propellant, and is either incorporated with the product or contained in a separate chamber within the product's packaging.
- (134) "Type B Propellant" means any halocarbon which is used as a propellant including chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), and hydrofluorocarbons (HFCs).

- (135) "Type C Propellant" means any propellant which is not a Type A or Type B propellant, including propane, isobutane, n-butane, and dimethyl ether (also known as dimethyl oxide).
- (136) "Undercoating" means:
- (A) for products manufactured before January 1, 2017: any aerosol product designed to impart a protective, nonpaint layer to the undercarriage, trunk interior, and/or firewall of motor vehicles to prevent the formation of rust or to deaden sound. "Undercoating" includes, but is not limited to, rubberized, mastic, or asphaltic products.
  - (B) for products manufactured on or after January 1, 2017: any aerosol product designed or labeled exclusively to impart a protective, nonpaint layer to the undercarriage, trunk interior, and/or firewall or other parts of motor vehicles to prevent the formation of rust or to deaden sound. "Undercoating" includes, but is not limited to, rubberized, mastic, or asphaltic products. An aerosol product that may be used as an "Undercoating" but makes claims it may be used to provide a flexible or protective coating to non-vehicular surfaces is a "Flexible Coating" as defined in section 94521(a).
- (137) "Usage Directions" means the text or graphics on the product's principal display panel, label, or accompanying literature which describes to the end user how and in what quantity the product is to be used.
- (138) "Volatile Organic Compound (VOC)" means any compound containing at least one atom of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, and excluding the following:
- (A) methane,  
methylene chloride (dichloromethane),  
1,1,1-trichloroethane (methyl chloroform),  
trichlorofluoromethane (CFC-11), dichlorodifluoromethane (CFC-12),  
1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113),  
1,2-dichloro-1,1,2,2-tetrafluoroethane (CFC-114),  
chloropentafluoroethane (CFC-115),  
chlorodifluoromethane (HCFC-22),  
1,1,1-trifluoro-2,2-dichloroethane (HCFC-123),  
1,1-dichloro-1-fluoroethane (HCFC-141b),  
1-chloro-1,1-difluoroethane (HCFC-142b),  
2-chloro-1,1,1,2-tetrafluoroethane (HCFC-124),

trifluoromethane (HFC-23),  
1,1,2,2-tetrafluoroethane (HFC-134),  
1,1,1,2-tetrafluoroethane (HFC-134a), pentafluoroethane (HFC-125),  
1,1,1-trifluoroethane (HFC-143a),  
1,1-difluoroethane (HFC-152a),  
ethoxy-nonafluorobutane (HFE 7200),  
trans-1,3,3,3-tetrafluoropropene (HFO-1234ze),  
cyclic, branched, or linear completely methylated siloxanes, the  
following classes of perfluorocarbons:

1. cyclic, branched, or linear, completely fluorinated alkanes;
2. cyclic, branched, or linear, completely fluorinated ethers with no unsaturations;
3. cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations; and
4. sulfur-containing perfluorocarbons with no unsaturations and with the sulfur bonds to carbon and fluorine, and

(B) the following low-reactive organic compounds which have been exempted by the U.S. EPA:

acetone,  
ethane,  
methyl acetate,  
parachlorobenzotrifluoride (1-chloro-4-trifluoromethyl benzene),  
perchloroethylene (tetrachloroethylene).

- (139) "VOC Content" means the total weight of VOC in a product expressed as a percentage of the product weight (exclusive of the container or packaging), as determined pursuant to sections 94515(a) and (b).
- (140) "Waterproofer" means a nonaerosol product designed or labeled exclusively to repel water from fabric or leather substrates. "Waterproofer" does not include "Fabric Protectant." Any aerosol product that meets the definition of an "Aerosol Coating Product" as defined in section 94521(a) and is designed or labeled exclusively to repel water from fabric or leather substrates is a "Vinyl/Fabric/Leather/Plastic Coating" as defined in section 94521(a).
- (141) "Wax" means a material or synthetic thermoplastic substance generally of high molecular weight hydrocarbons or high molecular weight esters of fatty acids or alcohols, except glycerol and high polymers (plastics). "Wax" includes, but is not limited to, substances derived from the secretions of plants and animals such as carnauba wax and beeswax, substances of a mineral origin such as ozocerite and paraffin, and synthetic polymers such as polyethylene.

- (142) "Windshield Water Repellent" means a product designed or labeled exclusively to repel water from motor vehicle exterior automotive glass surfaces. "Windshield Water Repellent" does not include "Automotive Windshield Washer Fluid."
- (143) "Wood Cleaner" means a product labeled to clean wooden materials including but not limited to decking, fences, flooring, logs, cabinetry, and furniture. "Wood Cleaner" does not include "Dusting Aid," "General Purpose Cleaner," "Furniture Maintenance Product," "Floor Wax Stripper," "Floor Polish or Wax," or products designed and labeled exclusively to preserve or color wood.
- (144) "Zinc-Rich Primer" means a coating that meets all the following specifications: (A) coating contains at least 65 percent metallic zinc powder or zinc dust by weight of total solids; and (B) coating is formulated for application to metal substrates to provide a firm bond between the substrate and subsequent applications of coatings; and (C) coating is intended for professional use only and labeled "For Professional Use Only;" "For Industrial Use Only;" "Not for residential use;" or "Not intended for residential use."

(b) *Severability.*

If any subsection, paragraph, subparagraph, sentence, clause, phrase, or portion of section 94507, 94508, 94509, 94510, 94511, 94512, 94513, 94514, 94515, 94516, or 94517 of this regulation is, for any reason, held invalid, unconstitutional, or unenforceable by any court of competent jurisdiction, such portion shall be deemed as a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions of the regulation.

NOTE: Authority cited: Sections 38501, 38510, 38560, 38560.5, 38562, 38580, 39515, 39516, 39600, 39601, 39659, 41503.5, 41511, and 41712, Health and Safety Code. Reference: Sections 38501, 38510, 38560, 38560.5, 38562, 38580, 39000, 39002, 39003, 39600, 40000, 41511, 41700, and 41712, Health and Safety Code.

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**§ 94509. Standards for Consumer Products.**

- (a) Except as provided in sections 94510 (Exemptions), 94511 (Innovative Products), 94514 (Variances), and 94540 through 94555 (Alternative Control Plan), title 17, California Code of Regulations, no person shall sell, supply, offer for sale, or manufacture for sale in California any consumer product which, at the time of sale or manufacture, contains volatile organic compounds in excess of the limits specified in the following Table of Standards after the specified effective dates.

**Table of Standards  
Percent Volatile Organic Compound by Weight**

<b>Product Category</b>	<b>Effective Date <sup>1</sup></b>	<b>VOC Standard <sup>2</sup></b>
Adhesive*:		
[*See section 94510(i) for an exemption that applies to adhesives.]		
Aerosol**	1/1/95	75
Mist Spray Adhesive**	1/1/2002 1/1/2017	65 30
Web Spray Adhesive**	1/1/2002 1/1/2017	55 40
Special Purpose Spray Adhesive**		
Automobile Headliner Adhesive	1/1/2002	65
Automotive Engine Compartment Adhesive	1/1/2002	70
Flexible Vinyl Adhesive	1/1/2002	70
Laminate Repair/Edgebanding Adhesive	1/1/2002	60
Mounting Adhesive	1/1/2002	70
Plastic Pipe Adhesive	8/1/2022	60
Polystyrene Foam Adhesive	1/1/2002	65
Polyolefin Adhesive	1/1/2002	60
Screen Printing Adhesive	1/1/2017	55
[**See sections 94509(i), 94509(m)(1)(A), 94509(n), 94512(d), and 94513(d) for additional requirements that apply to aerosol adhesive.]		

<b>Product Category</b>	<b>Effective Date<sup>1</sup></b>	<b>VOC Standard<sup>2</sup></b>
Construction, Panel, or Floor Covering Adhesive <sup>#</sup>	1/1/95 12/31/2002 12/31/2008	40 15 7
[ <sup>#</sup> See section 94509(k) for the effective date of the VOC limit for certain types of Construction, Panel, or Floor Covering Adhesive, and subsection 94509(m)(1)(A) for additional requirements that apply to Construction, Panel, or Floor Covering Adhesive.]		
Contact <sup>##</sup>	1/1/95	80
Contact Adhesive – General Purpose	12/31/2006	55
Contact Adhesive – Special Purpose	12/31/2006	80
[ <sup>##</sup> See subsections 94509(m)(1)(A) and section 94512(d) for additional requirements that apply to Contact Adhesive.]		
General Purpose	1/1/95	10
Adhesive Remover*:		
Floor or Wall Covering Adhesive Remover	12/31/2006	5
Gasket or Thread Locking Adhesive Remover	12/31/2006	50
General Purpose Adhesive Remover	12/31/2006	20
Specialty Adhesive Remover	12/31/2006	70
[*See subsections 94509(m)(1)(A) and section 94512(d) for additional requirements that apply to Adhesive Remover.]		
Aerosol Cooking Spray	1/1/95	18
Air Freshener (manufactured before January 1, 2023)*:		
Double Phase Aerosol**	1/1/93 12/31/2004 12/31/2012	30 25 20
Single Phase Aerosol	1/1/93 1/1/96	70 30



<b>Product Category</b>	<b>Effective Date <sup>1</sup></b>	<b>VOC Standard <sup>2</sup></b>
Air Freshener (manufactured on or after January 1, 2023)*		
Automatic Aerosol Air Freshener	1/1/2023	30
Manual Aerosol Air Freshener**	1/1/2023 1/1/2027	10 5
Concentrated Aerosol Air Freshener**	1/1/2023 1/1/2027	15 10
Total Release Aerosol Air Freshener**	1/1/2023	25
Air Freshener* Dual Purpose Air Freshener/Disinfectant aerosol	1/1/94	60
Liquid/pump spray	1/1/93	18
Solid/semisolid <sup>#</sup>	1/1/93	3
<p>[*See sections 94510(f) for an exemption that applies to Air Freshener.]</p> <p>[**See section 94509(n) for additional requirements that apply to Double Phase Aerosol Air Freshener, and sections 94509 (m)(1)(B) and 94509(n) for additional requirements that apply to Manual Aerosol Air Freshener, Concentrated Aerosol Air Freshener, and Total Release Aerosol Air Freshener.]</p> <p>[#See subsections 94509(m)(2) and 94510(g)(2) for additional provisions that apply to Air Freshener (solid).]</p>		
Anti-static Product: aerosol	12/31/2008	80
nonaerosol	12/31/2006	11
Astringent/Toner	12/31/2010	35
Automotive Rubbing or Polishing Compound all forms	1/1/2005	17
Automotive Wax/Polish/Sealant/Glaze: all other forms	1/1/2005	15
hard paste wax	1/1/2005	45
instant detailer	1/1/2001	3

<b>Product Category</b>	<b>Effective Date <sup>1</sup></b>	<b>VOC Standard <sup>2</sup></b>
Automotive Windshield Washer Fluid*: Type "A" areas	1/1/93 12/31/2008	35 25
Nontype "A" areas	1/1/93 12/31/2002	10 1
*See section 94508(a)(19), section 94509(b)(3), and section 94509(l) for provisions that apply to Automotive Windshield Washer Fluid.		
Bathroom and Tile Cleaner*: aerosol	1/1/94	7
all other forms	1/1/94	5
nonaerosol	12/31/2008	1
[*See subsection 94509(m)(1)(A) for additional requirements that apply to Bathroom and Tile Cleaner.]		
Brake Cleaner*	1/1/97 12/31/2002 12/31/2008 12/31/2010	50 45 20 10
[*See subsection 94509(m)(1)(A) for additional requirements that apply to Brake Cleaner]		
Bug and Tar Remover	1/1/2002	40
Carburetor or Fuel-injection Air Intake Cleaner *	1/1/95 12/31/2002 12/31/2008 12/31/2010	75 45 20 10
[*See section 94509(k) for the effective date of the VOC limit and see subsection 94509(m)(1)(A) for additional requirements that apply to Carburetor or Fuel-injection Air Intake Cleaner.]		

<b>Product Category</b>	<b>Effective Date <sup>1</sup></b>	<b>VOC Standard <sup>2</sup></b>
Carpet/Upholstery Cleaner*: aerosol	1/1/2001 12/31/2010	7 5
nonaerosol (dilutable)	1/1/2001	0.1
nonaerosol (ready-to-use)	1/1/2001 12/31/2010	3 1
[*See subsection 94509(m)(1)(A) for additional requirements that apply to Carpet/Upholstery Cleaner]		
Charcoal Lighter Material	See Section 94509(h)	
Disinfectant: aerosol	12/31/2008	70
nonaerosol	12/31/2008	1
Dry Shampoo*	1/1/2023 1/1/2029	55 50
[*See subsections 94509(m)(1)(B), and 94509(n) for additional requirements that apply to Dry Shampoo]		
Dusting Aid: aerosol	1/1/95 1/1/97 12/31/2010	35 25 17
nonaerosol	1/1/95 12/31/2010	7 3
Electrical Cleaner*	12/31/2006	45
[*See subsections 94509(m)(1)(A) and section 94512(d) for additional requirements that apply to Electrical Cleaner.]		
Electronic Cleaner*	12/31/2007	75
[*See subsection 94509(m)(1)(A) and section 94512(d) for additional requirements that apply to Electronic Cleaner.]		

<b>Product Category</b>	<b>Effective Date <sup>1</sup></b>	<b>VOC Standard <sup>2</sup></b>
Engine Degreaser*:	1/1/93 1/1/96	75 50
aerosol	12/31/2004 12/31/2010	35 10
nonaerosol	12/31/2004	5
[*See subsection 94509(m)(1)(A) for additional requirements that apply to Engine Degreaser]		
Fabric Protectant* aerosol	1/1/95 1/1/97	75 60
nonaerosol	1/1/95 1/1/97 12/31/2010	75 60 1
[*See subsection 94509(m)(1)(A) for additional requirements that apply to Fabric Protectant]		
Fabric Refresher: aerosol	12/31/2006	15
nonaerosol	12/31/2006	6
Fabric Softener – Single Use Dryer Product	See Section 94509(o)	
Floor Maintenance Product	12/31/2010	1
Floor Polish or Wax: Resilient Flooring Material	1/1/94 12/31/2010	7 1
Nonresilient Flooring Material	1/1/94 12/31/2010	10 1
Wood Floor Wax	1/1/94 12/31/2010	90 70
Floor Wax Stripper: nonaerosol	See Section 94509(j)	

<b>Product Category</b>	<b>Effective Date <sup>1</sup></b>	<b>VOC Standard <sup>2</sup></b>
Footwear or Leather Care Product*: aerosol	12/31/2006	75
solid	12/31/2006	55
all other forms	12/31/2006	15
[*See subsection 94509(m)(1)(A) for additional requirements that apply to Footwear or Leather Care Product.]		
Furniture Maintenance Product*: aerosol	1/1/94 12/31/2004 12/31/2013	25 17 12
all other forms (except solid/paste forms)	1/1/94	7
nonaerosol (except solid/paste forms)	12/31/2008	3
[*See section 94509(n) for additional requirements that apply to Furniture Maintenance Product.]		
General Purpose Cleaner*: aerosol and nonaerosol	1/1/94	10
aerosol	12/31/2008	8
nonaerosol+	12/31/2004 12/31/2012	4 0.5
[*See subsections 94509(m)(1)(A) and (m)(3) for additional requirements that apply to General Purpose Cleaner.] [+See subsections 94510(c)(1) and (c)(3) for exemptions that apply to fragrance and monoterpene]		
General Purpose Degreaser*: aerosol	1/1/2002 12/31/2008 12/31/2010	50 20 10
nonaerosol+	12/31/2004 12/31/2012	4 0.5
[*See subsections 94509(m)(1)(A) and (m)(3) for additional requirements that apply to General Purpose Degreaser.] [+See subsections 94510(c)(1) and (c)(3) for exemptions that apply to fragrance and monoterpene]		

<b>Product Category</b>	<b>Effective Date <sup>1</sup></b>	<b>VOC Standard <sup>2</sup></b>
Glass Cleaner*: aerosol	1/1/93 12/31/2012	12 10
nonaerosol	1/1/93 1/1/96 12/31/2004 12/31/2012	8 6 4 3
[*See subsection 94509(m)(3) for additional requirements that apply to nonaerosol Glass Cleaner]		
Graffiti Remover*: aerosol	12/31/2006	50
nonaerosol	12/31/2006	30
[*See subsection 94509(m)(1)(A) for additional requirements that apply to Graffiti Remover.]		
Hair Mousse	1/1/94 12/31/2002	16 6
Hair Shine*	1/1/2005 1/1/2029	55 50
[*See subsections 94509(m)(1)(B) and 94509(n) for additional requirements that apply to Hair Shine.]		
Hair Finishing Spray*	1/1/93 6/1/99 1/1/2023	80 55 50
[*See subsections 94509(m)(1)(B) and 94509(n) for additional requirements that apply to Hair Finishing Spray.]		
Hair Styling Product: aerosol and pump spray	12/31/2006	6
all other forms	12/31/2006	2
Heavy-duty Hand Cleaner or Soap* all forms	1/1/2005	8
nonaerosol	12/31/2013	1
[*See subsection 94509(m)(3) for additional requirements that apply to nonaerosol Heavy-duty Hand Cleaner or Soap]		

<b>Product Category</b>	<b>Effective Date <sup>1</sup></b>	<b>VOC Standard <sup>2</sup></b>
Insect Repellent: aerosol	1/1/94	65
Insecticide*: Crawling Bug Insecticide (all forms):	1/1/95 1/1/98	40 20
aerosol #	12/31/2004 1/1/2030	15 8
Bed Bug Insecticide (all forms) Bed Bug Insecticide (aerosol)	1/1/2030 1/1/2030	20 15
Flea or Tick Insecticide	1/1/95	25
Flying Bug Insecticide (all forms) **: aerosol	1/1/95 12/31/2003 12/31/2013	35 25 20
Fogger	1/1/95	45
Lawn or Garden Insecticide (all forms) nonaerosol	1/1/95 12/31/2003	20 3
Wasp or Hornet Insecticide**	1/1/2005 12/31/2013	40 10
<p>[*See sections 94510(g)(1) and 94510(k) for exemptions that apply to certain insecticides.]                      [#See subsections 94509(m)(1)(B) and 94509(n) for additional requirements that apply to Crawling Bug Insecticide (aerosol)].                      [**See subsection 94509(n) for additional requirements that apply to Flying Bug and Wasp or Hornet Insecticide]</p>		
Laundry Prewash: aerosol/solid	1/1/94	22
all other forms	1/1/94	5
Laundry Starch/Sizing/Fabric Finish Product:	1/1/95 1/31/2008	5 4.5

<b>Product Category</b>	<b>Effective Date <sup>1</sup></b>	<b>VOC Standard <sup>2</sup></b>
Lubricant*		
[*See subsection 94509(m)(1)(A), for additional requirements that apply to Lubricant products.]		
Anti-Seize Lubricant** aerosol	12/31/2013	40
nonaerosol	12/31/2013	3
Cutting or Tapping Oil** aerosol	12/31/2013	25
nonaerosol	12/31/2013	3
Gear, Chain, or Wire Lubricant** aerosol	12/31/2013	25
nonaerosol	12/31/2013	3
Multi-purpose Lubricant (excluding solid or semisolid products) <sup>###</sup>	1/1/2003 12/31/2013 7/1/2019	50 25 10 <sup>##</sup>
Penetrant <sup>#+</sup>	1/1/2003 12/31/2013	50 25
Rust Preventative or Rust Control Lubricant** aerosol	12/31/2013	25
nonaerosol	12/31/2013	3
Silicone-based Multi-purpose Lubricant (excluding solid or semisolid products)	1/1/2005	60
<p>[**See subsection 94509(n) for additional requirements that apply to Anti-Seize Lubricant; Cutting or Tapping Oil; Gear, Chain, or Wire Lubricant; Multi-purpose Lubricant; and Rust Preventative or Rust Control Lubricant products.]</p> <p>[<sup>#</sup>See subsection 94513(f) for additional requirements that apply to Multi-purpose Lubricant and Penetrant.]</p> <p>[<sup>##</sup>See subsections 94509(r)(1) through 94509(r)(5) for an alternate compliance option that applies to Multi-purpose Lubricant.]</p> <p>[<sup>+</sup>See subsection 94509(m)(7) for an exclusion that applies to certain Penetrant products.]</p>		



<b>Product Category</b>	<b>Effective Date <sup>1</sup></b>	<b>VOC Standard <sup>2</sup></b>
Metal Polish or Cleanser*:	1/1/2005	30
aerosol	12/31/2012	15
nonaerosol	12/31/2012	3
[*See subsection 94509(m)(1)(A) and subsection 94509(n) for additional requirements that apply to Metal Polish or Cleanser.]		
Motor Vehicle Wash nonaerosol	12/31/2010	0.2
Multi-purpose Solvent*		
aerosol standard for all areas of the State	1/1/2016	10
nonaerosol standards for the South Coast Air Quality Management District standards for all other areas of the State	See section 94509(p)(4)  12/31/2010 12/31/2013	30 3
[*See sections 94509(b)(1), (m)(1)(A), (n), and (p); 94512(a)(1), (a)(4) and (e); 94513(g); and 94515(j) for additional requirements that apply to Multi-purpose Solvent.]		
Nail Polish Remover	1/1/94 1/1/96 12/31/2004 12/31/2007	85 75 0 1
Nonselective Terrestrial Herbicide: nonaerosol	1/1/2002	3
Odor Remover/Eliminator aerosol	12/31/2010	25
nonaerosol	12/31/2010	6

<b>Product Category</b>	<b>Effective Date <sup>1</sup></b>	<b>VOC Standard <sup>2</sup></b>
Oven or Grill Cleaner*: aerosol/pump spray	1/1/93	8
aerosol	1/1/93	8
liquid	1/1/93	5
nonaerosol	12/31/2008 12/10/2011	1 4
[*See subsection 94509(q) for the effective date of the VOC limit and subsections 94509(m)(1)(A) and (m)(3) for additional requirements that apply to Oven or Grill Cleaner.]		
Paint Remover or Stripper	1/1/2005	50
Paint Thinner* aerosol		
standard for all areas of the State	1/1/2016	10
nonaerosol		
standards for the South Coast Air Quality Management District	See section 94509(p)(4)	
standards for all other areas of the State	12/31/2010 12/31/2013	30 3
[*See sections 94509(b)(1), (m)(1)(A), (n), and (p); 94512(a)(1), (a)(4) and (e); 94513(g); and 94515(j) for additional requirements that apply to Paint Thinner. See section 94510(m) for an exemption that applies to Paint Thinner.]		

<b>Product Category</b>	<b>Effective Date <sup>1</sup></b>	<b>VOC Standard <sup>2</sup></b>
Personal Fragrance Product (manufactured before January 1, 2023)*: products with 20% or less fragrance	1/1/95 1/1/99	80 75
products with more than 20% fragrance	1/1/95 1/1/99	70 65
Personal Fragrance Product (manufactured between January 1, 2023, and December 31, 2030)* aerosol <sup>#</sup>	1/1/2023	70
nonaerosol products with 7% or less fragrance <sup>#</sup> products with more than 7% fragrance	1/1/2023 1/1/2023	70 75
Personal Fragrance Product (manufactured on or after January 1, 2031)* aerosol <sup>#</sup>	1/1/2031	50
nonaerosol products with 10% or less fragrance <sup>#</sup> products with more than 10% fragrance	1/1/2031 1/1/2031	50 75
[*See sections 94510(h), 94510(j), and 94510(l) for exemptions and requirements that apply to Personal Fragrance Product.] [#See subsection 94509(m)(1)(B), 94509(n) and 94513(i) for additional requirements that apply to Personal Fragrance Product.]		
Pressurized Gas Duster*	12/31/2010	1
[*See subsections 94509(m)(1)(A), 94509(n) and 94510(c) for additional provisions that apply to Pressurized Gas Duster]		
Rubber /Vinyl Protectant: aerosol	1/1/2005	10
nonaerosol	1/1/2003	3
Sanitizer: aerosol	12/31/2008	70
Nonaerosol	12/31/2008	1

<b>Product Category</b>	<b>Effective Date <sup>1</sup></b>	<b>VOC Standard <sup>2</sup></b>
Sealant or Caulking Compound* all forms	12/31/2002	4
Chemically Curing nonaerosol	12/31/2012	3
Nonchemically Curing nonaerosol	12/31/2010	1.5
[*See subsections 94509(m)(1)(A) and section 94512(d) for additional requirements that apply to Sealant or Caulking Compound.]		
Shaving Cream	1/1/94	5
Shaving Gel	12/31/2006 12/31/2009	7 4
Spot Remover*: aerosol	1/1/2001 12/31/2012	25 15
nonaerosol	1/1/2001 12/31/2012	8 3
[*See subsections 94509(m)(1)(A) and 94509(n) for additional requirements that apply to Spot Remover.]		
Temporary Hair Color: aerosol*	12/31/2010 1/1/2029	55 50
[*See subsections 94509(m)(1)(B), and 94509(n) for additional requirements that apply to Temporary Hair Color.]		
Tire or Wheel Cleaner aerosol	12/31/2010	8
nonaerosol	12/31/2010	2
Tire Sealant and Inflator	12/31/2002	20
Toilet/Urinal Care Product*: aerosol	12/31/2006	10
nonaerosol	12/31/2006	3
[*See subsection 94509(m)(2) for additional requirements that apply to Toilet/Urinal Care Product.]		

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<b>Product Category</b>	<b>Effective Date <sup>1</sup></b>	<b>VOC Standard <sup>2</sup></b>
Undercoating: aerosol	1/1/2002	40
Windshield Water Repellent	12/31/2010	75
Wood Cleaner: aerosol	12/31/2006	17
nonaerosol	12/31/2006	4

- 1 See section 94509(d) for the effective date of the VOC standards for products registered under FIFRA, and section 94509(c) and (d) for the "sell-through" allowed for products manufactured prior to the effective date of standards.
- 2 See section 94510(c) for an exemption that applies to fragrances in consumer products, and section 94510(d) for an exemption that applies to LVP-VOCs.

(b) *Products that are diluted prior to use*

- (1) Except for “Multi-purpose Solvent” and “Paint Thinner” products manufactured after January 1, 2015, and “Automotive Windshield Washer Fluid (Dilutable),” for consumer products for which the label, packaging, or accompanying literature specifically states that the product should be diluted with water or non-VOC solvent prior to use, the limits specified in subsection (a) shall apply to the product only after the minimum recommended dilution has taken place. For purposes of this subsection (b), “minimum recommended dilution” shall not include recommendations for incidental use of a concentrated product to deal with limited special applications such as hard-to-remove soils or stains.
- (2) For consumer products for which the label, packaging, or accompanying literature states that the product should be diluted with any VOC solvent prior to use, the limits specified in subsection (a) shall apply to the product only after the maximum recommended dilution has taken place.
- (3) For “Automotive Windshield Washer Fluids (Dilutable)” for which the front panel of the product label specifically states that the product should be diluted (e.g. identified as a “concentrate”) prior to use;
  - (A) the VOC limits specified in section 94509(a) shall apply to the product only after the minimum recommended dilution has taken place;
  - (B) for the purpose of complying with the VOC limits specified in section 94509(a), different dilution instructions for Type “A” areas and Nontype “A” areas of California may be specified on the product label if the dilution instructions meet the following criteria:
    1. The instructions are readily visible, and
    2. The instructions can be easily understood by the consumer, and
    3. The instructions clearly specify the recommended dilution that applies in Type “A” areas and Nontype “A” areas of California, andIf the dilution instructions specified on the product label meet these criteria, the VOC limits specified in section 94509(a) shall apply to the product only after the minimum recommended dilution has taken place for the area in which the product is sold, supplied, or offered for sale.

- (C) The dilution instructions on the product label may indicate that the consumer follow the dilution instructions for Type "A" areas if traveling during times when freezing temperatures are expected.
- (4) For products sold in pump spray containers, the VOC limits specified in section 94509(a) shall apply to the product prior to any minimum recommended dilution.
- (c) *Sell-through of products.*
  - (1) *Sell-through period.* Notwithstanding the provisions of Sections 94509(a), 94509(j), or 94509(o), a consumer product manufactured prior to each of the effective dates specified for that product in the Table of Standards may be sold, supplied, or offered for sale for up to three years after each of the specified effective dates. This subsection (c) does not apply to:
    - (A) any consumer product that does not display on the product container or package the date on which the product was manufactured, or a code indicating such date, or
    - (B) any consumer product on which the manufacturer has used a code indicating the date of manufacture that is different than the code specified in section 94512(b)(2), but an explanation of the code has not been filed with the ARB Executive Officer by the deadlines specified in section 94512(c)(1) or section 94512(c)(2), or
    - (C) Solid "Air Fresheners" and "Toilet/Urinal Care Product" that contain para- dichlorobenzene; these products are subject to the one-year sell-through period specified in section 94509(m)(2).
    - (D) Products contained in multi-unit packages, as specified below:
      - 1. Subsection (c)(1) does not apply to any individual consumer products unit contained within a multi-unit package that is produced or assembled after January 1, 2006, where the multi-unit package does not display the date(s) or date-code(s) of the individual product units, or display the date of assembly, such that the displayed information is not readily observable without irreversibly disassembling any portion of the container or packaging.
      - 2. For the purposes of this section, "date of assembly" means the date that the individual product units are assembled into the finished multi-unit package.

3. For multi-unit packages that display the "date of assembly" instead of the date(s) or date-code(s) of the individual product units, the "date of assembly" shall be the "date of manufacture" for all of the product units contained within the multi-unit package. In other words, all of the product units shall be deemed to have been manufactured on the date these units are assembled into the multi-unit package, even if the individual product units show different date(s) or date-code(s).
- (2) *Notification for products sold during the sell-through period.* Any person who sells or supplies a consumer product subject to the Table of Standards in section 94509 must notify the purchaser of the product in writing of the date on which the sell-through period for that product will end, provided, however, that this notification must be given only if all of the following conditions are met:
    - (A) the product is being sold or supplied to a distributor or retailer;
    - (B) the sell-through period for the product will expire 6 months or less from the date the product is sold or supplied;
    - (C) the product does not comply with the lowest VOC standard that applies on the date the sell-through period ends; and
    - (D) the product is subject to a VOC standard with an effective date on or after December 31, 2004.
  - (d) *Products registered under FIFRA.* For those consumer products that are registered under the Federal Insecticide, Fungicide, and Rodenticide Act, (FIFRA; 7 U.S.C. Section 136-136y), the effective date of the VOC standards specified in subsection (a) is one year after the date specified in the Table of Standards. For those consumer products that are registered under FIFRA, the three year period provided in subsection (c) shall also begin one year after the date specified in the Table of Standards.
  - (e) *Products containing ozone-depleting compounds.* For any consumer product for which VOC standards are specified under subsection (a), no person shall sell, supply, offer for sale, or manufacture for sale in California any consumer product which contains any of the following ozone-depleting compounds:

CFC-11 (trichlorofluoromethane), CFC-12 (dichlorodifluoromethane),  
CFC-113 (1,1,1-trichloro-2,2,2-trifluoroethane),  
CFC-114 (1-chloro-1,1-difluoro-2-chloro-2,2-difluoroethane),  
CFC-115 (chloropentafluoroethane),  
halon 1211 (bromochlorodifluoromethane),  
halon 1301 (bromotrifluoromethane), halon 2402 (dibromotetrafluoroethane),



HCFC-22 (chlorodifluoromethane),  
HCFC-123 (2,2-dichloro-1,1,1-trifluoroethane),  
HCFC-124 (2-chloro-1,1,1,2-tetrafluoroethane),  
HCFC-141b (1,1-dichloro-1-fluoroethane),  
HCFC-142b (1-chloro-1,1-difluoroethane), 1,1,1-trichloroethane, and  
carbon tetrachloride.

- (f) The requirements of section 94509 (e) shall not apply to any existing product formulation that complies with the Table of Standards or any existing product formulation that is reformulated to meet the Table of Standards, provided the ozone depleting compound content of the reformulated product does not increase.
- (g) The requirements of section 94509 (e) shall not apply to any ozone depleting compounds that may be present as impurities in a consumer product in an amount equal to or less than 0.01% by weight of the product.
- (h) *Requirements for charcoal lighter materials.* The following requirements shall apply to all charcoal lighter material products as defined in section 94508(a):
  - (1) *Regulatory Standards*
    - (A) In all areas of California except the South Coast Air Quality Management District, no person shall sell, supply, or offer for sale after January 1, 1993 any charcoal lighter material product unless at the time of the transaction:
      - 1. the manufacturer or distributor of the charcoal lighter material has been issued a currently effective certification pursuant to subsection (h)(2).
      - 2. the charcoal lighter material meets the formulation criteria and other conditions specified in the applicable Executive Order issued pursuant to subsection (h)(2).
      - 3. the product usage directions for the charcoal lighter material are the same as those provided to the Executive Officer pursuant to subsection (h)(2)(C).
    - (B) In the South Coast Air Quality Management District, the regulatory standards specified in subsection (h)(1)(A) shall be applicable upon the effective date of this subsection.
  - (2) *Certification Requirements*
    - (A) No charcoal lighter material formulation shall be certified under this subsection unless the applicant for certification demonstrates

to the Executive Officer's satisfaction that the VOC emissions from the ignition of charcoal with the charcoal lighter material are less than or equal to 0.020 pound of VOC per start, using the procedures specified in the South Coast Air Quality Management District Rule 1174 Ignition Method Compliance Certification Protocol, dated February 27, 1991 (the "SCAQMD Rule 1174 Testing Protocol"). The provisions relating to LVP-VOC in sections 94508(a) and 94510(d) shall not apply to any charcoal lighter material subject to the requirements of sections 94509(a) and (h).

- (B) The Executive Officer may approve alternative test procedures which are shown to provide equivalent results to those obtained using the SCAQMD Rule 1174 Testing Protocol.
- (C) A manufacturer or distributor of charcoal lighter material may apply to the Executive Officer for certification of a charcoal lighter material formulation in accordance with this subsection (h)(2). The application shall be in writing and shall include, at a minimum, the following:
  - 1. the results of testing conducted pursuant to the procedures specified in SCAQMD Rule 1174 Testing Protocol.
  - 2. the exact text and/or graphics that will appear on the charcoal lighter material's principal display panel, label, and any accompanying literature. The provided material shall clearly show the usage directions for the product. These directions shall accurately reflect the quantity of charcoal lighter material per pound of charcoal that was used in the SCAQMD Rule 1174 Testing Protocol for that product, unless:
    - i) the charcoal lighter material is intended to be used in fixed amounts independent of the amount of charcoal used, such as certain paraffin cubes, or
    - ii) the charcoal lighter material is already incorporated into the charcoal, such as certain "bag light," "instant light," or "match light" products.
  - 3. For a charcoal lighter material which meets the criteria specified in subsection (h)(2)(C)(2)(i), the usage instructions provided to the Executive Officer shall accurately reflect the quantity of charcoal lighter material used in the SCAQMD Rule 1174 Testing Protocol for that product.
  - 4. Any physical property data, formulation data, or other information required by the Executive Officer for use in

determining when a product modification has occurred and for use in determining compliance with the conditions specified on the Executive Order issued pursuant to section (h)(2).

- (D) Within 30 days of receipt of an application, the Executive Officer shall advise the applicant in writing either that it is complete or that specified additional information is required to make it complete. Within 30 days of receipt of additional information, the Executive Officer shall advise the applicant in writing either that the application is complete, or that specified additional information or testing is still required before it can be deemed complete.
- (E) If the Executive Officer finds that an application meets the requirements of this subsection (h)(2), then he or she shall issue an Executive Order certifying the charcoal lighter material formulation and specifying such conditions as are necessary to insure that the requirements of this subsection (h) are met. The Executive Officer shall act on a complete application within 90 days after the application is deemed complete.

(3) *Notice of Modifications*

For any charcoal lighter material for which certification has been granted pursuant to subsection (h)(2), the applicant for certification shall notify the Executive Officer in writing within 30 days of: (i) any change in the usage directions, or (ii) any change in product formulation, test results, or any other information submitted pursuant to subsection (h)(2) which may result in VOC emissions greater than 0.020 pound of VOC per start.

(4) *Revocation of Certification*

If the Executive Officer determines that any certified charcoal lighter material formulation results in VOC emissions from the ignition of charcoal which are greater than 0.020 pound of VOC per start, as determined by the SCAQMD Rule 1174 Testing Protocol and the statistical analysis procedures contained therein, the Executive Officer shall revoke or modify the certification as is necessary to assure that the charcoal lighter material will result in VOC emissions of less than or equal to 0.020 pound of VOC per start. The Executive Officer shall not revoke or modify the prior certification without first affording the applicant for the certification an opportunity for a hearing in accordance with the procedures specified in Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 1, Article 4 (commencing with section 60040), to determine if the certification should be modified or revoked.

- (5) Notwithstanding any other provision of this subsection 94509(h), charcoal lighter material products manufactured prior to January 1, 1993, may be sold, supplied, or offered for sale until July 1, 1994, in all areas of California except the South Coast Air Quality Management District. Charcoal lighter material products subject to SCAQMD Rule 1174 and sold, supplied, or offered for sale in the South Coast Air Quality Management District shall meet the requirements of section 94509(h) upon the effective date of this subsection, regardless of the date on which the products were manufactured.
- (i) *Requirements for aerosol adhesives* (as defined in sections 94508(a)(1)).
  - (1) As specified in Health and Safety Code section 41712(h)(2), the standards for aerosol adhesives apply to all uses of aerosol adhesives, including consumer, industrial, and commercial uses. Except as otherwise provided in sections 94509(c), 94510, 94511, and 94514, no person shall sell, supply, offer for sale, use or manufacture for sale in California any aerosol adhesive which, at the time of sale, use, or manufacture, contains VOCs in excess of the specified standard.
  - (2)
    - (A) In order to qualify as a "Special Purpose Spray Adhesive" the product must meet one or more of the definitions for "Special Purpose Spray Adhesive" specified in section 94508(a)(1), but if the product label indicates that the product is suitable for use on any substrate or application not listed in one of the definitions for "Special Purpose Spray Adhesive," then the product shall be classified as either a "Web Spray Adhesive" or a "Mist Spray Adhesive."
    - (B) If a product meets more than one of the definitions specified in section 94508(a)(1) for "Special Purpose Spray Adhesive," and is not classified as a "Web Spray Adhesive" or "Mist Spray Adhesive" under subsection 94509(i)(2)(A), then the VOC limit for the product shall be the lowest applicable VOC limit specified in section 94509(a).
  - (3) All aerosol adhesives must comply with the labeling requirements specified in section 94512(d), and all manufacturers and responsible parties for aerosol adhesives must comply with the special reporting requirements specified in section 94513(d).
- (j) *Requirements for floor Wax Strippers*. After an effective date of January 1, 2002, no person shall sell, supply, offer for sale, or manufacturer for use in California any floor wax stripper unless the following requirements are met:

- (1) The label of each nonaerosol floor wax stripper must specify a dilution ratio for light or medium build-up of polish that results in an as-used VOC concentration of 3 percent by weight or less.
  - (2) If a nonaerosol floor wax stripper is also intended to be used for removal of heavy build-up of polish, the label of that floor wax stripper must specify a dilution ratio for heavy build-up of polish that results in an as-used VOC concentration of 12 percent by weight or less.
  - (3) The terms "light build-up," "medium build-up" or "heavy build-up" are not specifically required, as long as comparable terminology is used.
- (k) *Effective dates of the VOC limits for "Carburetor or Fuel-injection Air Intake Cleaner" and "Construction, Panel, or Floor Covering Adhesives."* The definitions for the product categories of "Carburetor or Fuel-injection Air Intake Cleaners" and "Construction, Panel, or Floor Covering Adhesives" were modified as part of the "Mid-term Measures II" rulemaking action that was considered by the Board in October 1999. As a result of these modifications, certain types of consumer products were included in these definitions that hadnot previously been included. For those consumer products that were included in these definitions for the first time as a result of the "Mid-term Measures II" rulemaking action, the VOC limits (in section 94509(a)) applicable to these newly included products shall not become legally effective until December 31, 2002.
- (l) *Automotive Windshield Washer Fluids.* The provisions of subsection 94509(b)(1) shall not apply to "Automotive Windshield Washer Fluid (Pre-Mixed)" as defined in section 94508(a).
- (m) *Requirements limiting the use of specific toxic compounds in specific consumer products categories.*
- (1) *Requirements for products listed in Table (m)(1)(A) and Table 94509(m)(1)(B).*

Except as provided below in sections 94509(m)(4), (m)(6), and (m)(7), after the applicable effective date specified in Tables 94509(m)(1)(A) and 94509(m)(1)(B) for each product category, no person shall sell, supply, offer for sale, or manufacture for use in California any consumer product:

- (A) listed in Table 94509(m)(1)(A) that contains any of the following compounds: methylene chloride, perchloroethylene, or trichloroethylene; or

(B) listed in Table 94509(m)(1)(B) that contains any of the following compounds: parachlorobenzotrifluoride, methylene chloride, perchloroethylene, or trichloroethylene.

**Table 94509(m)(1)(A)  
Product Categories in which Use of Methylene Chloride, Perchloroethylene,  
and Trichloroethylene is Prohibited**

Product Category	Effective Date	Sell-through Date
Adhesive:		
Aerosol		
• Mist Spray Adhesive	1/1/2002	1/1/2005
• Web Spray Adhesive	1/1/2002	1/1/2005
• Special Purpose Spray Adhesive		
• Automobile Headliner Adhesive	1/1/2002	1/1/2005
• Automotive Engine Compartment Adhesive	1/1/2002	1/1/2005
• Flexible Vinyl Adhesive	1/1/2002	1/1/2005
• Laminate Repair/Edgebanding Adhesive	1/1/2002	1/1/2005
• Mounting Adhesive	1/1/2002	1/1/2005
• Plastic Pipe Adhesive	8/1/2022	8/1/2025
• Polyolefin Adhesive	1/1/2002	1/1/2005
• Polystyrene Foam Adhesive	1/1/2002	1/1/2005
• Screen Printing Adhesive	1/1/2017	1/1/2020
Construction, Panel or Floor Covering Adhesive	12/31/2008	12/31/2011
Contact Adhesive		
• Contact Adhesive – General Purpose	12/31/2005	12/31/2008
• Contact Adhesive – Special Purpose	12/31/2005	12/31/2008
Adhesive Remover	12/31/2006	12/31/2009
• Floor or Wall Covering Adhesive Remover		
• Gasket or Thread Locking Adhesive Remover		
• General Purpose Adhesive Remover		
• Specialty Adhesive Remover		

Product Category	Effective Date	Sell-through Date
Automotive Consumer Products: See the Airborne Toxic Control Measure For Emissions Of Chlorinated Toxic Air Contaminants From Automotive Maintenance And Repair Activities, section 93111, title 17, California Code of Regulations for additional requirements that apply to the Automotive Consumer Products: Brake Cleaner, Carburetor or Fuel Injection Air Intake Cleaner, Engine Degreaser, and General Purpose Degreaser - intended for use in automotive maintenance or repair activities.		
Bathroom and Tile Cleaner	12/31/2008	12/31/2011
Carpet/Upholstery Cleaner	12/31/2010	12/31/2013
Electrical Cleaner	12/31/2006	12/31/2009
Electronic Cleaner	12/31/2005	12/31/2008
Electronic Cleaner labeled as energized electronic	12/31/2008	12/31/2011
Fabric Protectant	12/31/2010	12/31/2013
Footwear or Leather Care Product	12/31/2005	12/31/2008
General Purpose Cleaner	12/31/2008	12/31/2011
General Purpose Degreaser	12/31/2005	12/31/2008
Graffiti Remover	12/31/2006	12/31/2009
Lubricant: <ul style="list-style-type: none"> <li>• Anti-Seize Lubricant</li> <li>• Cutting or Tapping Oil</li> <li>• Gear, Chain, or Wire Lubricant</li> <li>• Multi-purpose Lubricant (excluding solid or semisolid products)</li> <li>• Penetrant [See subsection 94509(m)(7) for an exclusion that applies to certain Penetrant products.]</li> <li>• Rust Preventative or Rust Control Lubricant</li> <li>• Silicone-based Multi-purpose Lubricant (excluding solid or semisolid products)</li> </ul>	<ul style="list-style-type: none"> <li>12/31/2013</li> <li>12/31/2013</li> <li>12/31/2013</li> <li>12/31/2010</li> <li>12/31/2010</li> <li>12/31/2013</li> <li>12/31/2012</li> </ul>	<ul style="list-style-type: none"> <li>12/31/2016</li> <li>12/31/2016</li> <li>12/31/2016</li> <li>12/31/2013</li> <li>12/31/2013</li> <li>12/31/2016</li> <li>12/31/2015</li> </ul>
Metal Polish or Cleanser	12/31/2012	12/31/2015
Multi-purpose Solvent <ul style="list-style-type: none"> <li>• aerosol</li> <li>• nonaerosol</li> </ul>	<ul style="list-style-type: none"> <li>1/1/2016</li> <li>12/31/2010</li> </ul>	<ul style="list-style-type: none"> <li>1/1/2019</li> <li>12/31/2013</li> </ul>
Oven or Grill Cleaner	12/31/2008	12/31/2011

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<b>Product Category</b>	<b>Effective Date</b>	<b>Sell-through Date</b>
Paint Thinner <ul style="list-style-type: none"> <li>• aerosol</li> <li>• nonaerosol</li> </ul>	1/1/2016 12/31/2010	1/1/2019 12/31/2013
Pressurized Gas Duster (Trichloroethylene is not prohibited)	12/31/2010	12/31/2011
Sealant or Caulking Compound	12/31/2010	12/31/2013
Single Purpose Cleaner	1/1/2017	1/1/2020
Single Purpose Degreaser	1/1/2017	1/1/2020
Spot Remover	12/31/2012	12/31/2015



**Table 94509(m)(1)(B)  
Product Categories in which Use of Parachlorobenzotrifluoride,  
Methylene Chloride, Perchloroethylene, and Trichloroethylene is Prohibited**

Product Category	Effective Date	Sell-through Date
Air Fresheners <ul style="list-style-type: none"> <li>• Manual Aerosol Air Freshener</li> <li>• Concentrated Aerosol Air Freshener</li> <li>• Total Release Aerosol Air Freshener</li> </ul>	1/1/2023 1/1/2023 1/1/2023	1/1/2026 1/1/2026 1/1/2026
Crawling Bug Insecticide (aerosol)	1/1/2030	1/1/2033
Hair Care Products <ul style="list-style-type: none"> <li>• Dry Shampoo</li> <li>• Hair Finishing Spray</li> <li>• Hair Shine</li> <li>• Temporary Hair Color</li> </ul>	1/1/2023 1/1/2023 1/1/2029 1/1/2029	1/1/2026 1/1/2026 1/1/2032 1/1/2032
Personal Fragrance Products <ul style="list-style-type: none"> <li>• comprised of less than or equal to 7 percent fragrance</li> <li>• comprised of between 7 and less than or equal to 10 percent fragrance</li> </ul>	1/1/2023 1/1/2031	1/1/2026 1/1/2034

(2) *Requirements for products listed in Table (m)(2).*

Except as provided below in sections 94509(m)(4) after the applicable effective date specified in Table 94509(m)(2) for each product category, no person shall sell, supply, offer for sale, or manufacture for use in California any consumer product listed in Table 94509(m)(2) that contains para- dichlorobenzene.

**Table 94509(m)(2)  
Product Categories in which Use of Para-dichlorobenzene is Prohibited**

Product Category	Effective Date	Sell-through Date
Air Freshener (solid)	12/31/2005	12/31/2006
Toilet/Urinal Care Products	12/31/2005	12/31/2006

(3) *Requirements for products listed in Table (m)(3).*

Except as provided below in sections 94509(m)(4) and (m)(6), after the applicable effective date specified in Table 94509(m)(3) for each product category, no person shall sell, supply, offer for sale, or manufacture for use in California any consumer product listed in Table 94509(m)(3) that contains an alkylphenol ethoxylate surfactant compound.

**Table 94509(m)(3)  
Product Categories in which Use of Alkylphenol Ethoxylate Surfactants  
is Prohibited**

<b>Product Category</b>	<b>Effective Date</b>	<b>Sell-through Date</b>
General Purpose Cleaner (nonaerosol)	12/31/2012	12/31/2015
General Purpose Degreaser (nonaerosol)	12/31/2012	12/31/2015
Glass Cleaner (nonaerosol)	12/31/2012	12/31/2015
Heavy-duty Hand Cleaner or Soap (nonaerosol)	12/31/2013	12/31/2016
Oven or Grill Cleaner	12/31/2012	12/31/2015

- (4) *Sell-through of Products.* Consumer products listed in Table 94509(m)(1)(A), (m)(1)(B), (m)(2), or (m)(3) that were manufactured before the specified effective date listed in Table 94509(m)(1)(A), (m)(1)(B), (m)(2), or (m)(3), may be sold, supplied, or offered for sale until the corresponding "sell-through" date listed in Table 94509(m)(1)(A), (m)(1)(B), (m)(2), or (m)(3), so long as the product complies with the product dating requirements in section 94512(b).
- (5) *Notification for products sold during the sell-through period.* Any person who sells or supplies a consumer product identified listed in section 94509(m)(1)(A), (m)(1)(B), (m)(2), or (m)(3) must notify the purchaser of the product of the sell-through period dates, provided, however, that this notification must be given only if both of the following conditions are met:
- (A) the product is sold or supplied to a distributor or retailer; and
  - (B) the product is sold or supplied within 6 months of the specified effective date.
- (6) *Impurities.* The requirements of section 94509(m)(1)(A), (m)(1)(B), and (m)(5) shall not apply to any consumer product listed in Table 94509(m)(1)(A) or (m)(1)(B), containing parachlorobenzotrifluoride, methylene chloride, perchloroethylene, or trichloroethylene that is present as an impurity in a combined amount equal to or less than 0.01% by weight.
- (7) The requirements of section 94509(m)(1)(A) shall not apply to "Penetrant" products used on equipment when electrical current exists; residual electrical potential from a component exists; or an open flame exists, as long as the "Principal Display Panel" clearly displays the statement: "Nonflammable: For use on energized equipment only."

(n) *Requirements limiting the use of any chemical compound that has a Global Warming Potential (GWP) Value of 150 or greater.*

(1) *Requirements for products listed in Table (n)(1)*

Except as provided below in sections 94509(n)(2) and (n)(3), after the applicable effective date specified in Table 94509(n)(1), no person shall sell, supply, offer for sale, or manufacture for use in California any consumer product listed in Table 94509(n)(1) that contains any chemical compound that has a GWP Value of 150 or greater.

**Table 94509(n)(1)  
Product Categories in which Use of Any Chemical Compound that has a Global Warming Potential (GWP) Value of 150 or Greater is Prohibited<sup>1</sup>**

<b>Product Category</b>	<b>Effective Date</b>	<b>Sell-through Date</b>
Adhesive: Aerosol		
• Mist Spray Adhesive	1/1/2017	1/1/2020
• Web Spray Adhesive	1/1/2017	1/1/2020
• Special Purpose Adhesive		
• Plastic Pipe Adhesive	8/1/2022	8/1/2025
• Screen Printing Adhesive	1/1/2017	1/1/2020
Double Phase Aerosol Air Freshener (manufactured before January 1, 2023)	12/31/2012	12/31/2015
Aerosol Air Freshener (manufactured on or after January 1, 2023)		
• Manual Aerosol Air Freshener	1/1/2023	1/1/2026
• Concentrated Aerosol Air Freshener	1/1/2023	1/1/2026
• Total Release Aerosol Air Freshener	1/1/2023	1/1/2026
Crawling Bug Insecticide (aerosol)	1/1/2030	1/1/2033
Flying Bug Insecticide	12/31/2013	12/31/2016
Furniture Maintenance Product	12/31/2013	12/31/2016
Hair Care Products		
• Dry Shampoo	1/1/2023	1/1/2026
• Hair Finishing Spray	1/1/2023	1/1/2026
• Hair Shine	1/1/2029	1/1/2032
• Temporary Hair Color	1/1/2029	1/1/2032

Product Category	Effective Date	Sell-through Date
Lubricant: <ul style="list-style-type: none"> <li>• Anti-Seize Lubricant</li> <li>• Cutting or Tapping Oil</li> <li>• Gear, Chain, or Wire Lubricant</li> <li>• Multi-purpose Lubricant (excluding solid or semisolid products)</li> <li>• Rust Preventative or Rust Control Lubricant</li> </ul>	12/31/2013 12/31/2013 12/31/2013 7/1/2019 12/31/2013	12/31/2016 12/31/2016 12/31/2016 7/1/2022 12/31/2016
Metal Polish or Cleanser	12/31/2012	12/31/2015
Multi-purpose Solvent <ul style="list-style-type: none"> <li>• aerosol</li> <li>• nonaerosol</li> </ul>	1/1/2016 12/31/2010	1/1/2019 12/31/2013
Paint Thinner <ul style="list-style-type: none"> <li>• aerosol</li> <li>• nonaerosol</li> </ul>	1/1/2016 12/31/2010	1/1/2019 12/31/2013
Personal Fragrance Products <ul style="list-style-type: none"> <li>• comprised of less than or equal to 7 percent fragrance</li> <li>• comprised of between 7 and less than or equal to 10 percent fragrance</li> </ul>	1/1/2023 1/1/2031	1/1/2026 1/1/2034
Pressurized Gas Duster	12/31/2010	12/31/2011
Spot Remover	12/31/2012	12/31/2015
Wasp or Hornet Insecticide	12/31/2013	12/31/2016

<sup>1</sup> Consumer products may also be subject to requirements in title 17, CCR, section 95371 et seq.

- (2) *Sell-through of Products.* Consumer products listed in Table 94509(n)(1) that were manufactured before the specified effective date listed in Table 94509(n)(1), may be sold, supplied, or offered for sale until the corresponding “sell-through” date listed in Table 94509(n)(1), so long as the product complies with the product dating requirements in section 94512(b).
- (3) Notification for products sold during the sell-through period. Any person who sells or supplies a consumer product listed in section 94509(n)(1) must notify the purchaser of the product of the sell-through period dates, provided, however, that this notification must be given only if both of the following conditions are met:
- (1) the product is sold or supplied to a distributor or retailer; and

- (2) the product is sold or supplied within 6 months of the specified effective date.
- (4) *Impurities.* The requirements of section 94509(n)(1), (n)(2), and (n)(3) shall not apply to any consumer product listed in Table 94509(n)(1) containing any chemical compound that is present as an impurity in a combined amount equal to or less than 0.1% by weight.
- (o) *Requirements for Fabric Softener – Single Use Dryer Product.*
  - (1) Effective December 31, 2010, Fabric Softener – Single Use Dryer Product shall not contain more than 0.05 grams of VOC per use. Compliance with the VOC limit shall be determined per sheet, or equivalent delivery substrate, based on the minimum recommended use for a single drying cycle specified on the product packaging or label. In other words, if one sheet is the minimum recommended use for a single drying cycle, then the VOC limit applies per sheet. If two sheets are the minimum recommended use for a single drying cycle, then the VOC limit applies to the aggregate VOC content in two sheets. For purposes of this subsection, “minimum recommended use” shall not include recommendations for incidental use of additional sheets, or equivalent delivery substrate, for limited applications such as for extra large or double loads of washable fabrics in large capacity clothes dryers.
  - (2) The provisions relating to fragrance in section 94510(c) shall not apply to Fabric Softener – Single Use Dryer Product subject to the requirements of this subsection 94509(o)(1).
- (p) *Additional requirements for “Multi-purpose Solvent” and “Paint Thinner.”*
  - (1) *Aromatic Compound Content.*
    - (A) *Nonaerosol “Multi-purpose Solvent” and “Paint Thinner” products.* Except as provided below in sections 94509(p)(2)(A), effective December 31, 2010, no person shall sell, supply, offer for sale, or manufacture for use in California a nonaerosol “Multi-purpose Solvent” or “Paint Thinner” product that contains greater than 1% “Aromatic Compound” content by weight.
    - (B) *Aerosol “Multi-purpose Solvent” and “Paint Thinner” products.* Except as provided below in sections 94509(p)(2)(B), effective January 1, 2016, no person shall sell, supply, offer for sale, or manufacture for use in California an aerosol “Multi-purpose Solvent” or “Paint Thinner” product that contains greater than 1% “Aromatic Compound” content by weight.
  - (2) *Sell-through of Products.*

- (A) *Nonaerosol "Multi-purpose Solvent" and "Paint Thinner" products.* Nonaerosol "Multi-purpose Solvent" and "Paint Thinner" products that contain greater than 1% "Aromatic Compound" content by weight; and were manufactured before December 31, 2010, may be sold, supplied, or offered for sale until December 31, 2013, so long as these products comply with the product dating requirements in section 94512(b).
  - (B) *Aerosol "Multi-purpose Solvent" and "Paint Thinner" products.* Aerosol "Multi-purpose Solvent" and "Paint Thinner" products that contain greater than 1% "Aromatic Compound" content by weight; and were manufactured before January 1, 2016, may be sold, supplied, or offered for sale until January 1, 2019, so long as these products comply with the product dating requirements in section 94512(b).
- (3) *Notification for products sold during the sell-through period.*
- (A) *Nonaerosol "Multi-purpose Solvent" and "Paint Thinner" products.* Any person who sells or supplies a consumer product identified in section 94509(p)(2)(A) must notify the purchaser of the product in writing that the sell-through period for that product will end on December 31, 2013, provided, however, this notification must be given only if both of the following conditions are met:
    - 1. the product is sold or supplied to a distributor or retailer; and
    - 2. the product is sold or supplied on or after June 30, 2013.
  - (B) *Aerosol "Multi-purpose Solvent" and "Paint Thinner" products.* Any person who sells or supplies a consumer product identified in section 94509(p)(2)(B) must notify the purchaser of the product in writing that the sell-through period for that product will end on January 1, 2019, provided, however, this notification must be given only if both of the following conditions are met:
    - 1. the product is sold or supplied to a distributor or retailer; and
    - 2. the product is sold or supplied on or after June 30, 2018.
- (4) *Requirements for nonaerosol "Multi-purpose Solvent" and "Paint Thinner" products sold, supplied, offered for sale, or manufactured for use in the South Coast Air Quality Management District (SCAQMD).*
- (A) Nonaerosol products that are sold, supplied, offered for sale, or manufactured for use in the SCAQMD that meet the definition of "Paint Thinner" or "Multi-purpose Solvent" do not meet the

criteria for any other consumer product category and do not qualify under a definition of any other consumer product category that is defined in section 94508(a), regardless of any representation made that the product may be used as, or is suitable for use as another category of consumer product that is defined in section 94508(a).

- (B) *Standards for nonaerosol "Multi-purpose Solvent" and "Paint Thinner" products sold, supplied, offered for sale, or manufactured for use in the SCAQMD.*
1. Effective December 31, 2010, no person shall sell, supply, offer for sale, or manufacture for use in the SCAQMD any nonaerosol "Multi-purpose Solvent" or "Paint Thinner" product which, at the time of sale or manufacture, contains VOCs in excess of 30 percent by weight, as determined in accordance with procedures specified in section 94515(a) – (i) and as set forth in ARB Method 310, adopted September 25, 1997, and as last amended on August 1, 2014, which is incorporated herein by reference.
  2. Effective December 31, 2013, no person shall sell, supply, offer for sale, or manufacture for use in the SCAQMD any nonaerosol "Multi-purpose Solvent" or "Paint Thinner" product which, at the time of sale or manufacture, contains VOCs in excess of 3 percent by weight, as determined in accordance with procedures specified in section 94515(a) – (i) and as set forth in ARB Method 310, as last amended on August 1, 2014.
  3. Effective January 1, 2015, no person shall sell, supply, offer for sale, or manufacture for use in the SCAQMD any nonaerosol "Multi-purpose Solvent" or "Paint Thinner" product that contains VOCs in excess of 25 grams per liter of material (g/L) or 0.21 pounds per gallon (lb/Gal), as determined in accordance with procedures specified in section 94515(j) and as set forth in ARB Method 310, as last amended on August 1, 2014. As specified in section 94515(j) and section 3.6 of ARB Method 310, determination of the LVP-VOC content does not apply because there is no LVP-VOC exemption for these products.
- (C) The provisions in sections 94509(m)(1), 94509(n), 94509(p)(1), (2) and (3), 94512(a)(4), and 94512(e) shall apply to any nonaerosol "Multi-purpose Solvent" or "Paint Thinner" product sold, supplied, offered for sale, or manufactured for use in the SCAQMD.

(D) *Sell-through of Products.*

Nonaerosol "Multi-purpose Solvent" or "Paint Thinner" products sold, supplied, offered for sale, or manufactured for use in the SCAQMD that were manufactured before January 1, 2015, may be sold, supplied, or offered for sale until January 1, 2018, so long as these products comply with the product dating requirements in section 94512(b).

(E) *Notification for products sold during the sell-through period.*

Any person who sells or supplies a nonaerosol "Multi-purpose Solvent" or "Paint Thinner" product identified in section 94509(p)(4)(D) must notify the purchaser of the product in writing that the sell-through period for that product will end on January 1, 2018, provided, however, this notification must be given only if both of the following conditions are met:

1. the product is sold or supplied to a distributor or retailer; and
2. the product is sold or supplied on or after June 30, 2017.

(q) *Effective dates of the VOC limits for "Oven or Grill Cleaner."* The definition for the "Oven or Grill Cleaner" product category was modified as part of a rulemaking action to amend the California Consumer Products Regulation that was considered by the Board in November 2010. As a result of this modification, grill cleaning products were included in this definition that had not previously been included. For those grill cleaning products that were included in this definition for the first time as a result of this rulemaking action, the VOC limits (in section 94509(a)) applicable to these newly included products shall not become legally effective until December 31, 2012.

(r) *Alternate compliance option for "Multi-purpose Lubricant" products.*

(1) For the purpose of subsections 94509(r), 94513(h), and 94515(k), the following definitions apply:

- (A) "Base Reactive Organic Gas Mixture (Base ROG Mixture)" means the mixture of reactive organic gases utilized in deriving the maximum incremental reactivity scale.
- (B) "Chemical Compound" means a molecule of definite chemical formula and chemical structure.
- (C) "Chemical Mixture" means a substance comprised of two or more chemical compounds.



- (D) "Ingredient" means a chemical compound or a chemical mixture.
- (E) "Maximum Incremental Reactivity (MIR)" means the maximum change in weight of ozone formed by adding a compound to the Base ROG Mixture per weight of compound added, expressed to hundredths of a gram (g O<sub>3</sub>/g ROC).
- (F) "Product Formulation" means the weight fraction of all ingredients.
- (G) "Production Records" mean product formulation information disclosing the actual quantity of all ingredients used to manufacture a "Multi-purpose Lubricant" product on the date of manufacture. Such records shall include:
  - 1. Batch production record with the date of manufacture;
  - 2. Quality control records;
  - 3. Raw materials invoices and physical property data;
  - 4. Production equipment maintenance records;
  - 5. Records of the weight fraction of all ingredients including the hydrocarbon solvent bin number, as listed in section 94701, manufacturer name, and trade name. For ingredients not listed in sections 94700, 94701, or 94509(r)(5), each chemical compound in the mixture must be reported separately; and
  - 6. Any laboratory results of testing conducted at the time of manufacture to establish the VOC content and reactivity of the product.
- (H) "Product-Weighted MIR (PWMIR)" means the sum of all weighted-MIR for all ingredients in a "Multi-purpose Lubricant" product. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (g O<sub>3</sub>/g product), excluding container and packaging.
- (I) "Reactive Organic Compound (ROC)" means any compound containing at least one atom of carbon and that has the potential, once emitted, to contribute to ozone formation in the troposphere.
- (J) "Reactivity Limit" means the maximum ozone forming potential of ingredients (excluding container and packaging) allowed in a "Multi-purpose Lubricant" product, expressed as the PWMIR.

- (2) “Multi-purpose Lubricant” products subject to the 10 percent by weight VOC standard in section 94509(a) may comply by meeting the provisions of this subsection. “Multi-purpose Lubricant” products subject to the most restrictive limit provisions in subsection 94512(a) are ineligible to comply using this subsection. “Multi-purpose Lubricant” products subject to an Alternative Control Plan are ineligible to comply using this subsection.

To qualify for this compliance option, a Responsible Party must meet the following criteria:

- (A) The Responsible Party must identify the product(s) that will comply by meeting the Reactivity Limit specified in subsection 94509(r)(3);
- (B) The Responsible Party must declare the VOC content of the product(s) and the VOC content must not exceed 25 percent by weight; and
- (C) The Responsible Party must provide the Executive Officer with the formulation of the product(s), as specified in subsection 94513(h).
- (D) Until July 1, 2019, the Responsible Party must provide to the Executive Officer the information required in subsection 94509(r)(2)(A) through (2)(C) at least 90 calendar days before the effective date of the 10 percent by weight VOC standard.
- (E) On or after July 1, 2019, the Responsible Party must provide to the Executive Officer the information required in subsection 94509(r)(2)(A) through (2)(C) at least 30 calendar days before a new product is made available on the market.
- (F) If any criteria of subsection 94509(r)(2) are not met, a product will not qualify for the alternate compliance option and will be subject to the 10 percent by weight VOC standard specified in subsection 94509(a) for “Multi-purpose Lubricant” (excluding solid or semisolid products).
- (G) A Responsible Party using the alternate compliance option for a future product must meet the criteria in subsection 94509(r)(2).
- (3) “Multi-purpose Lubricant” products complying under this subsection shall not exceed a Reactivity Limit of 0.45 g O<sub>3</sub>/g product.
- (4) The PWMIR shall be calculated according to the following equation:
- $$\text{Product-Weighted MIR} = (\text{Wtd-MIR})_1 + (\text{Wtd-MIR})_2 + \dots + (\text{Wtd-MIR})_n$$
- where:

MIR = ingredient MIR, as specified in subsection 94509(r)(5);

Wtd-MIR = MIR of each ingredient in a product multiplied by the weight fraction of that ingredient; and

1,2,3,...,n = each ingredient in the product up to the total n ingredients in the product.

To calculate the PWMIR of a "Multi-purpose Lubricant," the MIR values dated October 2, 2010, as set forth in Subchapter 8.6, Article 1, section 94700 or 94701, and the MIR values specified in subsection 94509(r)(5) must be used until at least July 1, 2021. All ingredients present in the formulation in an amount equal to or exceeding 0.1 percent by weight must be used to calculate the PWMIR.

(5) Assignment of Maximum Incremental Reactivity (MIR) Values.

The MIR values of product ingredients are assigned as follows:

- (A) Any ingredient which does not contain at least one atom of carbon is assigned an MIR value of 0.0;
- (B) Carbon dioxide is assigned an MIR value of 0.0;
- (C) Ingredients that are solid are assigned an MIR value of 0.0;
- (D) For aliphatic hydrocarbon solvent "Alkane Mixed – Minimally 90% C13 and higher carbon number," the MIR value of 0.60 g O<sub>3</sub>/g ROC must be used to calculate the PWMIR; and
- (E) For fragrance, as defined in section 94508(a)(54), present in a "Multi-purpose Lubricant" product, the MIR value for terpinolene, as listed in section 94700, must be used to calculate the PWMIR unless detailed fragrance ingredients information is available to determine the MIR value of the fragrance.
- (F) Any ingredient not covered under subsections 94509(r)(5)(A), (5)(B), (5)(C), (5)(D), or (5)(E) is assigned the MIR value for that ingredient as set forth in section 94700 or 94701.
- (G) If a ROC is not listed in section 94700 but an isomer(s) of the ROC is listed, then the MIR value for the isomer must be used. If more than one isomer is listed, the listed MIR value for the isomer with the highest MIR value must be used.
- (H) If a ROC or its isomer(s) is not listed in section 94700, the MIR value for Base ROG Mixture must be used to determine the weighted MIR of the ROC to calculate the PWMIR.

- (l) If a new ingredient is added to section 94700 or 94701, the MIR value for the new ingredient must be used instead of the value specified in subsection 94509(r)(5)(G) or (5)(H) to calculate the PWMIR after the effective date of the MIR value.

NOTE: Authority cited: sections 38500, 38501, 38510, 38560, 38560.5, 38562, 38562.5, 38566, 38580, 39515, 39516, 39600, 39601, 39650, 39658, 39659, 39666, 41503.5, 41511, and 41712, Health and Safety Code. Reference: sections 38501, 38505, 38551, 39002, 39003, 39600, 39602, 39650, 39655, 39656, 39658, 39659, 39666, 40000, 41504, 41511, and 41712, Health and Safety Code.

#### **§ 94510. Exemptions.**

- (a) This article shall not apply to any consumer product manufactured in California for shipment and use outside of California.
- (b) The provisions of this article shall not apply to a manufacturer or distributor who sells, supplies, or offers for sale in California a consumer product that does not comply with the VOC standards specified in Section 94509, as long as the manufacturer or distributor can demonstrate both that the consumer product is intended for shipment and use outside of California, and that the manufacturer or distributor has taken reasonable prudent precautions to assure that the consumer product is not distributed to California. This subsection (b) does not apply to consumer products that are sold, supplied, or offered for sale by any person to retail outlets in California.
- (c) Except for Pressurized Gas Duster, the VOC limits specified in Section 94509(a) shall not apply to the following:
  - (1) For "General Purpose Cleaner" (nonaerosol) and "General Purpose Degreaser" (nonaerosol) products manufactured before January 1, 2031, fragrances up to a combined 2 percent by weight and monoterpenes up to a combined 0.25 percent by weight, not to exceed a combined total of 2 percent fragrances and monoterpenes by weight.
  - (2) For products, other than "General Purpose Cleaner" (nonaerosol) and "General Purpose Degreaser" (nonaerosol), manufactured before January 1, 2031, fragrances up to a combined level of 2 percent by weight.
  - (3) For "General Purpose Cleaner" (nonaerosol) and "General Purpose Degreaser" (nonaerosol) products manufactured on or after January 1, 2031, fragrances and/or monoterpenes up to a combined 0.25 percent by weight.
  - (4) For "Air Freshener," "Disinfectant," and "Sanitizer" products manufactured on or after January 1, 2031, fragrances up to a combined level of 0.25 percent by weight.

For the purposes of subsections (c)(1) and (c)(3), "Monoterpene" means one or more chemical compounds listed by the specific chemical name or associated Chemical Abstracts Service (CAS) number in Table 94510(c).

**Table 94510(c)  
Specified Monoterpenes**

<b>Chemical Name</b>	<b>CAS #</b>
limonene (d isomer)	5989-27-5
limonene (l isomer)	5989-54-8
dipentene (dl-limonene)	138-86-3
$\alpha$ -pinene	80-56-8
$\alpha$ -pinene (d isomer)	7785-70-8
$\alpha$ -pinene (l isomer)	7785-26-4
$\beta$ -pinene	127-91-3
$\beta$ -pinene (l isomer)	18172-67-3

- (d) The VOC limits specified in Section 94509(a), and the provisions identified in Section 94510(c), shall not apply to any LVP-VOC.
- (e) The requirements of Section 94512(b) shall not apply to consumer products registered under the Federal Insecticide, Fungicide, and Rodenticide Act, (FIFRA; 7 U.S.C. Section 136-36y).
- (f) The VOC limits specified in Section 94509(a) shall not apply to air fresheners that are comprised entirely of fragrance, less compounds not defined as VOCs under Section 94508 or exempted under Section 94510(d).
- (g) The VOC limits specified in Section 94509(a) shall not apply to:
  - (1) insecticides containing at least 98% para-dichlorobenzene.
  - (2) Until December 30, 2006, the VOC limits specified in Section 94509(a) shall not apply to solid air fresheners containing at least 98% para-dichlorobenzene. On or after December 31, 2006, the provisions of section 94509(m)(2) apply to solid air fresheners containing para-dichlorobenzene.
- (h) Except as specified in 94510(h)(3) below, the VOC limits specified in Section 94509(a) shall not apply to:
  - (1) existing personal fragrance products or personal fragrance products in development on or before April 1, 1992, provided that both (i) the registration data specified in section 94513 is submitted for every such

product by the date specified in section 94513(a), or prior to July 1, 1993, whichever date occurs later, and (ii) such product is sold in California prior to January 1, 1994. For the purposes of this subsection, a product "in development" means:

- (A) a product which a fragrance materials manufacturer is designing at the request of a personal fragrance product manufacturer, or
  - (B) a product which is the subject of a written marketing profile or other documentation authorizing the creation and marketing of the product.
- (2) personal fragrance products in development may be registered to qualify for this exemption under hypothetical trade names or pseudonyms, provided that the actual trade name is supplied to the Executive Officer within 30 days of marketing such products, or January 1, 1994, whichever occurs first.
- (3) Effective December 31, 2014, subsections 94510(h)(1) and 94510(h)(2) shall no longer apply to any "Personal Fragrance Product" that contains 20 percent or less fragrance. Products manufactured before December 31, 2014 may be sold, supplied, or offered for sale until December 31, 2017, so long as the product complies with the product dating requirements in Section 94512(b).
- (i) The VOC limits specified in Section 94509(a) shall not apply to adhesives sold in containers of 1 fluid ounce or less.
  - (j) The VOC limits specified in Section 94509(a) shall not apply to any VOC which is a fragrance in a personal fragrance product.
  - (k) The VOC limits specified in Section 94509(a) shall not apply to bait station insecticides. For the purpose of this section, bait station insecticides are containers enclosing an insecticidal bait that is not more than 0.5 ounce by weight, where the bait is designed to be ingested by insects and is composed of solid material feeding stimulants with less than 5 percent (%) active ingredients.
  - (l) Except as specified in 94510(l)(1), the 1/1/99 VOC limits specified in Section 94509(a) for personal fragrance products shall not apply to such products which have been sold in California prior to 1/1/99.
- (1) On or after December 31, 2014, the 75 percent by weight VOC limit shall apply to any "Personal Fragrance Product" that contains 20 percent or less fragrance. Products manufactured before December 31, 2014 may be sold, supplied, or offered for sale until December 31,

2017, so long as the product complies with the product dating requirements in Section 94512(b).

- (m) Until December 31, 2013, the VOC limits specified in Section 94509(a), and the prohibition of Aromatic Compounds listed in section 94509(p)(1), shall not apply to Paint Thinners that are packaged in containers with a capacity less than or equal to 8 fluid ounces.

NOTE: Authority cited: sections 39600, 39601, 39515, 39516, 41503.5, 41511, 41700, and 41712, Health and Safety Code. Reference: sections 39000, 39002, 39003, 39600, 39602, 40000, 41504, 41511, 41700, and 41712, Health and Safety Code.

### § 94511. Innovative Products.

- (a) The Executive Officer shall exempt a consumer product from the VOC limits specified in Section 94509(a) if a manufacturer demonstrates by clear and convincing evidence that, due to some characteristic of the product formulation, design, delivery systems or other factors, the use of the product will result in less VOC emissions as compared to:
- (1) the VOC emissions from a representative consumer product which complies with the VOC limits specified in Section 94509(a), or
  - (2) the calculated VOC emissions from a noncomplying representative product, if the product had been reformulated to comply with the VOC limits specified in section 94509(a). VOC emissions shall be calculated using the following equation:

$$E_R = E_{NC} \times VOC_{STD} \div VOC_{NC}$$

where:

$E_R$  = The VOC emissions from the noncomplying representative product, had it been reformulated.

$E_{NC}$  = The VOC emissions from the noncomplying representative product in its current formulation.

$VOC_{STD}$  = the VOC limit specified in 94509(a).

$VOC_{NC}$  = the VOC content of the noncomplying product in its current formulation.

If a manufacturer demonstrates that this equation yields inaccurate results due to some characteristic of the product formulation or other

factors, an alternative method which accurately calculates emissions may be used upon approval of the Executive Officer.

- (b) For the purposes of this section, “representative consumer product” means a consumer product which meets all of the following criteria:
- (1) the representative product shall be subject to the same VOC limit in Section 94509(a) as the innovative product.
  - (2) the representative product shall be of the same product form as the innovative product, unless the innovative product uses a new form which does not exist in the product category at the time the application is made.
  - (3) the representative product shall have at least similar efficacy as other consumer products in the same product category based on tests generally accepted for that product category by the consumer products industry.
- (c) The Executive Officer shall exempt an “Innovative Compressed Gas Propellant Product” or “Innovative Liquefied Propellant Product” in the aerosol “Hair Finishing Spray,” “Dry Shampoo,” or “Personal Fragrance Product” categories from the VOC standards adopted on August 1, 2022 and specified in section 94509(a) if the product manufacturer demonstrates by clear and convincing evidence at the time of the IPE application that an “Innovative Compressed Gas Propellant Product” meets the criteria in sections (c)(1) and (c)(3) through (c)(6) and an “Innovative Liquefied Propellant Product” meets the criteria in sections (c)(2) through (c)(6).
- (1) “Innovative Compressed Gas Propellant Product” means a product which meets all of the following criteria:
    - (A) For a product manufactured before January 1, 2029, the HFC-152a propellant is replaced with a propellant comprised of compressed air, compressed nitrogen, and/or compressed carbon dioxide, and use of the replacement propellant will result in the Innovative Compressed Gas Propellant Product achieving a 50 percent or greater reduction in greenhouse gas (GHG) emissions compared to the Representative HFC-152a Product;
    - (B) For a product manufactured on or after January 1, 2029, the Innovative Compressed Gas Propellant Product includes only ingredients with a GWP less than 10, or achieves a 90 percent or greater reduction in GHG emissions compared to the Representative HFC-152a Product;



- (C) The weight of the Innovative Compressed Gas Propellant Product propellant or propellants does not exceed 50 percent of the weight of the Representative HFC-152a Product propellant or propellants; and
  - (D) The ozone-forming potential of the Innovative Compressed Gas Propellant Product does not exceed that of the Representative HFC-152a Product.
- (2) “Innovative Liquefied Propellant Product” means a product which meets all of the following criteria:
- (A) For a product manufactured before January 1, 2029, the Innovative Liquefied Propellant Product achieves a 50 percent or greater reduction in GHG emissions compared to the Representative HFC-152a Product;
  - (B) For a product manufactured on or after January 1, 2029, the Innovative Liquefied Propellant Product includes only ingredients with a GWP less than 10, or achieves a 90 percent or greater reduction in GHG emissions compared to the Representative HFC-152a Product; and
  - (C) The ozone-forming potential of the Innovative Liquefied Propellant Product does not exceed that of the Representative HFC-152a Product.
- (3) “Representative HFC-152a Product” means a product that meets either (A) or (B) below:
- (A) A consumer product that has the product formulation identified in Table 94511(c)(3) for the applicable product category; or
  - (B) A compliant consumer product that meets (i) through (v) below:
    - i) is in the same product category as the innovative product,
    - ii) is available for purchase in California at the time of the IPE application,
    - iii) has a PWMIR no greater than (5.0) percent above the applicable product formulation in Table 94511(c)(3),
    - iv) has a GHG composition that is no lower than five (5.0) ingredient weight percent below the applicable product formulation in Table 94511(c)(3), and

- v) has a fragrance content that is representative of products on the California market in the applicable category at the time of the IPE application.

**Table 94511(c)(3): Representative HFC-152a Product Formulations**

Product Category and Applicable VOC Standard	Ingredient Weight Percent				
	Ethanol	HFC-152a	Fragrance	Other VOC or LVP-VOC*	Non-Volatiles and Exempt VOCs**
Hair Finishing Spray: 50% VOC	45	45	0.1	3.9	6
Dry Shampoo: 55% VOC	30	29	0.2	30.8	10
Dry Shampoo: 50% VOC	30	33	0.2	26.8	10
Personal Fragrance Product: 70% VOC	40	15	2	30	13
Personal Fragrance Product: 50% VOC	30	30	2	22	16

\* Ingredients in this column are assumed to have an average MIR of 0.9. The Executive Officer may approve an alternate average MIR for "Other VOC or LVP-VOC" ingredients in the "Personal Fragrance Product: 70% VOC" category based upon product category sales and ingredient information submitted by the applicant.

\*\* Ingredients in this column are assumed to have an average MIR of 0.0.

- (4) An "Innovative Compressed Gas Propellant Product" or an "Innovative Liquefied Propellant Product" shall have at least similar efficacy as other consumer products in the same category, based upon consumer or scientific testing generally accepted for that product category by the consumer products industry, demonstrated product spray rate, percent or efficacy of active ingredients, or information that the applicant may provide or that CARB may request. Application of a greater quantity of innovative product shall not be needed to achieve the same efficacy as the representative product.
- (5) GHG emissions shall be calculated as follows:
  - (A) The GHG emissions for an "Innovative Compressed Gas Propellant Product," "Innovative Liquefied Propellant Product," or Representative HFC-152a Product shall be calculated using the

following equation for the purposes of determining compliance with section 94511(c):

$$\text{GHG}_{\text{PRODUCT}} = (\text{GWP}_{\text{INGREDIENT}} \times \text{Wt})_1 + (\text{GWP}_{\text{INGREDIENT}} \times \text{Wt})_2 + \dots + (\text{GWP}_{\text{INGREDIENT}} \times \text{Wt})_n$$

where:

$\text{GHG}_{\text{PRODUCT}}$  = the GHG emissions from the Innovative Compressed Gas Propellant Product, Innovative Liquefied Propellant Product, or Representative HFC-152a Product;

$\text{GWP}_{\text{INGREDIENT}}$  = ingredient GWP, as specified in 94511(c)(5)(B-D);

Wt = ingredient weight;

1,2,3,...,n = each ingredient in the Innovative Compressed Gas Propellant Product, Innovative Liquefied Propellant Product, or Representative HFC-152a Product, up to the total n ingredients in the Innovative Compressed Gas Propellant Product, Innovative Liquefied Propellant Product, or Representative HFC-152a Product.

- (B) The global warming potential of the proposed Innovative Compressed Gas Propellant Product, Innovative Liquefied Propellant Product, or Representative HFC-152a Product shall be determined by using the 100-Year GWP values from the Intergovernmental Panel on Climate Change's (IPCC) Fourth Assessment Report (Forster, P., V. Ramaswamy, P. Artaxo, T. Berntsen, R. Betts, D.W. Fahey, J. Haywood, J. Lean, D.C. Lowe, G. Myhre, J. Nganga, R. Prinn, G. Raga, M. Schulz and R. Van Dorland, 2007: Changes in Atmospheric Constituents and in Radiative Forcing. In: Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.), incorporated by reference herein.
- (C) For an ingredient for which no GWP value exists in the IPCC's Fourth Assessment Report, but for which a GWP value does exist in the IPCC's Fifth Assessment Report (Myhre, G., D. Shindell, F.-M. Bréon, W. Collins, J. Fuglestedt, J. Huang, D. Koch, J.-F.

Lamarque, D. Lee, B. Mendoza, T. Nakajima, A. Robock, G. Stephens, T. Takemura and H. Zhang, 2013: Anthropogenic and Natural Radiative Forcing. In: Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Stocker, T.F., D. Qin, G.-K. Plattner, M. Tignor, S.K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex and P.M. Midgley (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.) incorporated by reference herein, the GWP of the ingredient shall be determined by using the 100-Year Global Warming Potential value from the IPCC's Fifth Assessment Report.

- (D) For an ingredient for which no GWP value exists in the IPCC's Fourth Assessment Report or the IPCC's Fifth Assessment Report, the GWP value of the ingredient shall be zero.
- (6) Ozone-forming potential shall be calculated as follows:
  - (A) Assignment of a ROC's Maximum Incremental Reactivity (MIR) value for the purpose of determining an Innovative Compressed Gas Propellant Product, Innovative Liquefied Propellant Product, or Representative HFC-152a Product ozone-forming potential shall be conducted pursuant to subsections 94509(r)(5)(A)-(D) and (F)-(I).
  - (B) For fragrance, the MIR value for terpinolene listed in section 94700 shall be used to calculate the Innovative Compressed Gas Propellant Product, Innovative Liquefied Propellant Product, or Representative HFC-152a Product ozone-forming potential.
- (d) A manufacturer shall apply in writing to the Executive Officer for any exemption claimed under this section. All information submitted by a manufacturer pursuant to this section shall be handled in accordance with the procedures specified in Title 17, California Code of Regulations, Sections 91000-91022.
  - (1) For products that meet the criteria identified in subsections 94511(a) and (b), the application shall include the supporting documentation that demonstrates the reduction of emissions from the innovative product, including the actual physical test methods used to generate the data and, if necessary, the consumer testing undertaken to document product usage. In addition, the applicant must provide any information necessary to enable the Executive Officer to establish enforceable conditions for granting the exemption, including the VOC content for the innovative product and test methods for determining the VOC content.

- (2) For products that meet the criteria identified in subsection 94511(c), the application shall include the supporting documentation that demonstrates the criteria identified in subsection (c) are met, including the name, weight percent, density, MIR, and GWP for all ingredients present in an amount greater than or equal to 0.1 percent by weight of the product formulation, and all supporting calculations or analytical measurements. In addition, the applicant must provide any information necessary, upon request of the Executive Officer, to enable the Executive Officer to establish enforceable conditions for granting the exemption, including the VOC content and ozone forming potential of the innovative product.
- (e) A consumer product which reduces VOC emissions relative to the representative consumer product due to VOC combustion (including, but not limited to, catalytic combustion) shall be ineligible for any exemption provided in this section.
- (f) Within 30 days of receipt of the exemption application the Executive Officer shall determine whether an application is complete as provided in section 60030(a), Title 17, California Code of Regulations.
- (g) Within 90 days after an application has been deemed complete, the Executive Officer shall determine whether, under what conditions, and to what extent, an exemption from the requirements of Section 94509(a) will be permitted. The applicant and the Executive Officer may mutually agree to a longer time period for reaching a decision, and additional supporting documentation may be submitted by the applicant before a decision has been reached. The Executive Officer shall notify the applicant of the decision in writing and specify such terms and conditions that are necessary to ensure that emissions from the product will meet the emissions reductions specified in subsection (a), and that such emissions reductions can be enforced.
- (h) In granting an exemption for a product the Executive Officer shall establish conditions that are enforceable. These conditions shall include the VOC content of the innovative product, dispensing rates, application rates, and any other parameters determined by the Executive Officer to be necessary. The Executive Officer shall also specify the test methods for determining conformance to the conditions established. The test methods shall include criteria for reproducibility, accuracy, and sampling and laboratory procedures.
- (i) For any product for which an exemption has been granted pursuant to this section, the manufacturer shall notify the Executive Officer in writing within 30 days of any change in the product formulation or recommended product usage directions, and shall also notify the Executive Officer within 30 days if the manufacturer learns of any information which would alter the emissions

estimates submitted to the Executive Officer in support of the exemption application.

- (j) *Modification of Product Ingredients for an Existing Exemption:* Where one or more ingredients in a product for which an exemption has been granted based upon the eligibility criteria in subsection (c) has been modified after the exemption has been granted, the product shall be considered a modified product and:
- (1) the manufacturer must notify the Executive Officer of an ingredient modification within 30 days, but need not apply for a new exemption for the modified product if all of the following three conditions are met:
    - (A) The modified ingredient or ingredients meet the definition of fragrance as specified in section 94508(a)(55) and/or do not meet the definition of "Reactive Organic Compound" as specified in section 94509(r)(1)(l);
    - (B) The total weight of the modified ingredient or ingredients that meet the criteria in subsection (A) represent no more than 0.5 percent of the total product weight for "Hair Finishing Spray" and "Dry Shampoo," or represent no more than 2.5 percent of the total product weight for "Personal Fragrance Product"; and
    - (C) the modification does not increase the product's ozone forming potential or GWP.
  - (2) If the modified product does not meet all of the conditions in subsections 94511(j)(1)(A) through (C), the manufacturer must apply for a new exemption for the modified product pursuant to subsection 94511(d)(2). The modified product must still meet the requirements in subsection (c).
- (k) If the VOC limits specified in Section 94509(a) are lowered for a product category through any subsequent rulemaking, all innovative product exemptions granted for products in the product category, except as provided in this subsection (k), shall have no force and effect as of the effective date of the modified VOC standard. This subsection (k) shall not apply to innovative product exemptions granted to the following:
- (1) Those innovative products which have VOC emissions less than the applicable lowered VOC limit and for which a written notification of the product's emissions status versus the lowered VOC limit has been submitted to and approved by the Executive Officer at least 60 days before the effective date of such limits; and

- (2) an "Automatic Aerosol Air Freshener" product subject to a 30% VOC standard pursuant to Section 94509(a).
- (l) If the Executive Officer believes that a consumer product for which an exemption has been granted no longer meets the criteria for an innovative product specified in subsection (a), the Executive Officer may modify or revoke the exemption as necessary to assure that the product will meet these criteria. The Executive Officer shall not modify or revoke an exemption without first affording the applicant an opportunity for a public hearing held in accordance with the procedures specified in Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 1, Article 4 (commencing with Section 60040), to determine if the exemption should be modified or revoked.

NOTE: Authority cited: Sections 39600, 39601 and 41712, Health and Safety Code. Reference: Sections 39002, 39600, 40000 and 41712, Health and Safety Code.

### **§ 94512. Administrative Requirements.**

- (a) *Most Restrictive Limit.*
  - (1) Except as provided below in section 94512(a)(4), notwithstanding the definition of "product category" in Section 94508, if anywhere on the container or packaging of any consumer product manufactured on or after January 1, 2007, or any FIFRA-registered insecticide manufactured on or after January 1, 2008, or on any sticker or label affixed thereto, any representation is made that the product may be used as, or is suitable for use as a consumer product for which a lower VOC limit is specified in Section 94509(a), then the lowest VOC limit shall apply. This requirement does not apply to general purpose cleaners and insecticide foggers.
  - (2) *Rule that applies when Product Category definitions exclude each other.* When determining the applicable VOC standard for a product that meets the definitions for both "Regulated Category A" and "Regulated Category B", in circumstances where the definition of "Regulated Category A" states that it excludes "Regulated Category B", and the definition of "Regulated Category B" states that it excludes "Regulated Category A," the product is subject to the VOC standard for whichever regulated category, "A" or "B," has the lower VOC standard.

For the purposes of this section, a "Regulated Category" means a category of consumer products that is both: (A) defined in section 94508(a), and (B) has a VOC standard specified in section 94509(a) for that product category.
  - (3) Notwithstanding the provisions of section 94512(a)(1) and (2), a product that makes ancillary disinfecting, sanitizing, or antimicrobial claims on

the label is not subject to the VOC standards for "Disinfectant" or "Sanitizer" if the product is designed and labeled on the Principal Display Panel as a "Bathroom and Tile Cleaner," "Carpet/Upholstery Cleaner," "Fabric Refresher," "General Purpose Cleaner," "Glass Cleaner," "Metal Polish or Cleanser," or "Toilet/Urinal Care Product."

- (4) Pursuant to section 94509(p)(4), the provisions of section 94512(a)(1), (a)(2), and (a)(3) shall not apply to nonaerosol "Multi-purpose Solvent" or "Paint Thinner" product sold, supplied, offered for sale, or manufactured for use in the South Coast Air Quality Management District.

(b) *Product Dating*

- (1) Each manufacturer of a consumer product subject to Section 94509 shall clearly display on each consumer product container or package, the day, month, and year on which the product was manufactured, or a code indicating such date.

Codes that represent a sequential batch number, or that otherwise cannot be attributed to a specific day, month, and year, do not satisfy this requirement.

- (2) A manufacturer who uses the following code to indicate the date of manufacture shall not be subject to the requirements of section 94512(c)(1), if the code is represented separately from other codes on the product container so that it is easily recognizable:

YY DDD = year year day day day

Where:

"YY" = two digits representing the year in which the product was manufactured, and

"DDD" = three digits representing the day of the year on which the product was manufactured, with "001" representing the first day of the year, "002" representing the second day of the year, and so forth (i.e. the "Julian date").

- (3) This date or code shall be displayed on each consumer product container or package no later than twelve months prior to the effective date of the applicable standard specified in Section 94509.
- (4) Except as otherwise provided in subsection (b)(5), for products manufactured on or after January 1, 2006, the date or code shall be



displayed on the product container such that it is readily observable without irreversibly disassembling any portion of the product container or packaging. For the purposes of this subsection, information may be displayed on the bottom of a container as long as it is clearly legible without removing any product packaging.

(5) *Products Sold in Multi-unit Packages.*

- (A) Products sold, supplied, or offered for sale in multi-unit packages are not required to comply with subsection (b)(4).
- (B) If a multi-unit package does not comply with subsection (b)(4), the “sell-through” provisions of section 94509(c)(1) shall not apply to the individual product units contained within the multi-unit package. In other words, if any multi-unit package produced or assembled after January 1, 2006, does not display the date(s) or date-code(s) of the product units, such that the displayed information is readily observable without irreversibly disassembling any portion of the container or packaging, the individual product units shall be subject to the VOC standards in effect when the multi-unit package is sold, supplied, or offered for sale, regardless of the date on which the product units were manufactured.
- (C) A multi-unit package may comply with subsection (b)(4) by displaying the date of assembly instead of the date(s) or date-code(s) of the individual product units, so long as the date of assembly is readily observable without irreversibly disassembling any portion of the container or packaging. The “date of assembly” means the date that the individual product units are assembled into the finished multi-unit package. If the date of assembly is displayed instead of the individual date(s) or date-code(s), the “date of assembly” shall be the “date of manufacture” for all of the product units contained within the multi-unit package. In other words, all of the product units shall be deemed to have been manufactured on the date these units are assembled into the multi-unit package, even if the individual product units show different date(s) or date-code(s), and the “date of assembly” shall be “date of manufacture” of each product unit for the purposes of applying the “sell-through” provisions of section 94509(c).

(6) The requirements of this subsection (b) shall not apply to:

- (A) personal fragrance products of 2 milliliters or less, which are offered to consumers free of charge for the purpose of sampling the product; or

- (B) products containing no VOCs (as defined in section 94508), or containing VOCs at 0.10% by weight or less.

(c) *Additional Product Dating Requirements*

- (1) If a manufacturer uses a code indicating the date of manufacture, for any consumer product subject to section 94509 an explanation of the code must be filed with the Executive Officer of the ARB no later than twelve months prior to the effective date of the applicable standard specified in section 94509. Thereafter, manufacturers using a code must file an explanation of the code with the Executive Officer on an annual basis, beginning in 2006.

The explanation of the code must be received by the Executive Officer on or before January 31<sup>st</sup> of each year, with the first explanation due on or before January 31, 2006.

- (2) If a manufacturer changes any code indicating the date of manufacture for any consumer product subject to subsection (c)(1), an explanation of the modified code must be received by the Executive Officer before any products displaying the modified code are sold, supplied, or offered for sale in California.
- (3) No person shall erase, alter, deface, or otherwise remove or make illegible any date or code indicating the date of manufacture from any regulated product container without the express authorization of the manufacturer.
- (4) Codes indicating the date of manufacture are public information and may not be claimed as confidential.

(d) *Additional Labeling Requirements for Aerosol Adhesive, Adhesive Remover, Electronic Cleaner, Electrical Cleaner, Energized Electrical Cleaner, Contact Adhesive, and Sealant or Caulking Compound (nonaerosol).*

- (1) In addition to the requirements specified in subsections (a), (b), and (c), both the manufacturer and responsible party for each aerosol adhesive, adhesive remover, electronic cleaner, electrical cleaner, energized electrical cleaner, contact adhesive product, and sealant or caulking compound (*nonaerosol*) subject to this article shall ensure that all products clearly display the following information on each product container which is manufactured on or after the effective date for the category specified in section 94509(a), except that for nonchemically curing sealant or caulking compound (*nonaerosol*), the effective date of this requirement is December 31, 2010, and for chemically curing sealant

or caulking compound (nonaerosol), the effective date of this requirement is December 31, 2012:

- (A) The product category as specified in section 94509(a) or an abbreviation of the category shall be displayed;
  - (B)
    - 1. The applicable VOC standard for the product that is specified in section 94509(a), except for Energized Electrical Cleaner, expressed as a percentage by weight, shall be displayed unless the product is included in an alternative control plan approved by the Executive Officer, as provided in Article 4, Sections 94540-94555, Title 17, California Code of Regulations, and the product exceeds the applicable VOC standard;
    - 2. If the product is included in an alternative control plan approved by the Executive Officer, and the product exceeds the applicable VOC standard specified in section 94509(a), the product shall be labeled with the term "ACP" or "ACP product;"
  - (C) If the product is classified as a special purpose spray adhesive, the applicable substrate and/or application or an abbreviation of the substrate/application that qualifies the product as special purpose shall be displayed;
  - (D) If the manufacturer or responsible party uses an abbreviation as allowed by this subsection 94512(d)(1)(A), an explanation of the abbreviation must be filed with the Executive Officer before the abbreviation is used.
- (2) The information required in section 94512(d)(1), shall be displayed on the product container such that it is readily observable without removing or disassembling any portion of the product container or packaging. For the purposes of this subsection, information may be displayed on the bottom of a container as long as it is clearly legible without removing any product packaging.
  - (3) No person shall remove, alter, conceal, or deface the information required in section 94512(d)(1) prior to final sale of the product.
- (e) *Additional Requirements for Multi-purpose Solvent and Paint Thinner*

The following requirements apply in addition to the requirements specified in section 94512(a), (b), and (c):

- (1) Except as provided below in section 94512(e)(2), effective December 31, 2010, until December 31, 2017, no person shall sell, supply, offer for sale, or manufacture for use in California any "Flammable" or "Extremely Flammable" Multi-purpose Solvent or Paint Thinner named, on the Principal Display Panel as "Paint Thinner," "Multi-purpose Solvent," "Clean-up Solvent," or "Paint Clean-up."
  - (2) Section 94512(e)(1) does not apply to products that meet either of the following criteria:
    - (A) Products which include an attached "hang tag," sticker, or contrasting square or rectangular area on the Principal Display Panel that displays, at a minimum, the following statements in a font size as large as, or larger than, the "signal word" (i.e., "DANGER," "WARNING," or "CAUTION") as specified in title 16, Code of Federal Regulations, section 1500.121:

"Formulated to meet California VOC limits; see warnings on label; Ve a las advertencias en la etiqueta, formulado complacientes con leyes de California" or
    - (B) Products where the Principal Display Panel displays, in both English and Spanish and a font size as large as, or larger than, the font size of all other words on the Principal Display Panel, excluding the company name, brand name, and logo, the common name of the chemical compound (e.g., "Acetone," "Methyl acetate," etc.) that results in the product meeting the criteria for "Flammable" or "Extremely Flammable."
  - (3) For the purposes of this subsection (e), a product is "Flammable" or "Extremely Flammable" if it is labeled as "Flammable" or "Extremely Flammable" on the product container, or if the product meets the criteria for these terms specified in title 16, Code of Federal Regulations, section 1500.3(c)(6).
- (f) *Record Retention Requirements for Energized Electrical Cleaner Sales Information*
- (1) Beginning on January 1, 2023, all establishments identified as an "Automotive Parts and Accessories Store" or by code 441310 in NAICS, that sell, supply, or offer for sale in California, Energized Electrical Cleaner products, shall maintain any records that such establishments already routinely generate for such activity which indicate the date of

sale, the name and manufacturer of the product, the quantity sold, and, the name and address of the facility or business to which the product is sold, if applicable. Said establishments shall maintain any such records for at least five years from the date of sale. Such records shall be made available within 10 business days to the Executive Officer, upon request, pursuant to subsection 94508(a)(40)(C).

For the purposes of this provision, NAICS means the North American Industry Classification System United States, 2017, Executive Office of the President, Office of Management and Budget, which is incorporated by reference herein.

NOTE: Authority cited: Sections 39600, 39601 and 41712, Health and Safety code. Reference: Sections 39002, 39600, 40000 and 41712, Health and Safety Code.

### **§ 94513. Reporting Requirements.**

- (a) Upon 90 days written notice, the Executive Officer may require any responsible party to report information for any consumer product or products the Executive Officer may specify including, but not limited to, all or part of the information: specified in the following subsections (a)(1) through (a)(12). If the responsible party does not have or does not provide the information requested by the Executive Officer, the Executive Officer may require the reporting of this information by the person that has the information, including, but not limited to, any formulator, manufacturer, supplier, parent company, private labeler, distributor, or repackager.
- (1) the company name, address, telephone number, and designated contact person;
  - (2) any claim of confidentiality made pursuant to Title 17, California Code of Regulations, Section 91011;
  - (3) the product brand name for each consumer product and the product label;
  - (4) the product category to which the consumer product belongs;
  - (5) the applicable product form(s) listed separately;
  - (6) an identification of each product brand name and form as a "Household Product," "I&I Product," or both;
  - (7) separate California sales in pounds per year, to the nearest pound, and the method used to calculate California sales for each product form;

- (8) for information submitted by multiple companies, an identification of each company which is submitting relevant data separate from that submitted by the responsible party. All information from all companies shall be submitted by the date specified in Section 94513(a);
  - (9) for each product brand name and form, the net percent by weight of the total product, less container and packaging, comprised of the following, rounded to the nearest one-tenth of a percent (0.1%):
    - (A) Total Table B Compounds
    - (B) Total LVP-VOCs that are not fragrances
    - (C) Total All Other Carbon-Containing Compounds that are not fragrances
    - (D) Total All Non-Carbon-Containing Compounds
    - (E) Total Fragrance
    - (F) For products containing greater than two percent by weight fragrance, but excluding "personal fragrance products":
      - (i) the percent of fragrance that are LVP-VOCs, and
      - (ii) the percent of fragrance that are all other carbon-containing compounds
    - (G) For "personal fragrance products," the density of the fragrance
    - (H) Total Para-dichlorobenzene
  - (10) for each product brand name and form, the identity, including the specific chemical name and associated CAS number, of the following:
    - (A) Each Table B Compound
    - (B) Each LVP-VOC that is not a fragrance
  - (11) if applicable, the weight percent comprised of propellant for each product;
  - (12) if applicable, an identification of the type of propellant (Type A, Type B, Type C, or a blend of the different types);
- (b) In addition to the requirements of section 94513(a)(10), the responsible party shall report or shall arrange to have reported to the Executive Officer the net percent by weight of each ozone-depleting compound which is (1) listed in

section 94509(e) and (2) contained in a product subject to reporting under section 94513(a) in any amount greater than 0.1 percent by weight.

- (c) All information submitted by any person pursuant to Section 94513 shall:
- (1) Be accompanied by a signed statement declaring under penalty of perjury that the information submitted is accurate, true, and complete; and
  - (2) Be handled in accordance with the procedures specified in Title 17, California Code of Regulations, sections 91000-91022.

(d) *Special Reporting Requirements for Aerosol Adhesives*

On or before March 31, 2004, all responsible parties for aerosol adhesives shall report to the Executive Officer the following information for products sold or offered for sale in California:

- (1) data regarding product sales and composition for the year 2003, including the information listed in Section 94513(a), and any other information that the Executive Officer may specify; and
- (2) a written update of the research and development efforts undertaken to achieve VOC limits lower than the limits specified in section 94509(a). The written update must include detailed information about the raw materials (solvents, propellants, resins, and polymers) and hardware (valves, actuators, cans) used in product reformulation, the testing protocols used, the results of the testing, and the cost of reformulation efforts.
- (3) On or before December 31, 2003, the Executive Officer shall notify responsible parties in writing that they are to submit aerosol adhesive product and research data by March 31, 2004.

(e) *Special Reporting Requirements for Consumer Products that Contain Perchloroethylene or Methylene Chloride:*

- (1) The requirements of this subsection shall apply to all responsible parties for:
  - (A) consumer products that are subject to section 94509(a) and contain perchloroethylene or methylene chloride, and
  - (B) Energized Electrical Cleaners as defined in section 94508(a), that contain perchloroethylene or methylene chloride. For the purposes of this subsection, a product "contains perchloroethylene or methylene chloride" if the product contains 1.0 percent or more

by weight (exclusive of the container or packaging) of either perchloroethylene or methylene chloride.

- (2) For each consumer product that contains perchloroethylene or methylene chloride, the responsible party shall report the following information for products sold in California during each calendar year, beginning with the year 2000, and ending with the year 2010.
  - (A) the product brand name and a copy of the product label with legible usage instructions;
  - (B) the product category to which the consumer product belongs;
  - (C) the applicable product form(s) (listed separately);
  - (D) for each product form listed in (C), the total sales in California during the calendar year to the nearest pound (exclusive of the container or packaging), and the method used for calculating the California sales;
  - (E) the weight percent, to the nearest 0.10 percent, of perchloroethylene and methylene chloride in the consumer product.
- (3) The information specified in subsection 94513(e)(2) shall be reported for each calendar year by March 1 of the following year. The first report shall be due on March 1, 2001, for calendar year 2000. A new report is due on March 1 of each year thereafter, until March 1, 2011, when the last report is due.
- (4) Upon request, the Executive Officer shall make the perchloroethylene information submitted pursuant to this subsection available to publicly owned treatment works in California, in accordance with the procedures for handling of confidential information specified in Title 17, California Code of Regulations, sections 91000-91022.
  - (A) On or before July 1, 2002, the Executive Officer shall evaluate the information, along with data on influent and effluent levels of perchloroethylene as reported by publicly-owned treatment works personnel and any other relevant information, to determine if it is likely that publicly-owned treatment works are experiencing increased levels of perchloroethylene, relative to 1996 levels, that can be attributed to consumer products which contain perchloroethylene.
  - (B) If the Executive Officer determines that it is likely that increased perchloroethylene levels at the publicly-owned treatment works are



caused by increased levels of perchloroethylene in consumer products subject to this regulation, then the Executive Officer shall, in conjunction with the publicly-owned treatment works and other appropriate parties, implement measures which are feasible, appropriate, and necessary for reducing perchloroethylene levels at the publicly-owned treatment works.

- (f) *Special Reporting Requirements for Multi-purpose Lubricant and Penetrant products.*
- (1) On or before March 31, 2012, all responsible parties for Multi-purpose Lubricant and Penetrant products shall report to the Executive Officer the following information for products sold or offered for sale in California:
    - (A) data regarding product sales and composition for the year 2011, including the information listed in section 94513(a), the entire product label; and
    - (B) a written update of the research and development efforts undertaken to achieve the 25 percent VOC limits specified in section 94509(a). The written update must include detailed information about the raw materials evaluated for use, maximum incremental reactivity (MIR) values for any VOC or LVP- VOC used or evaluated, the function of the raw material evaluated, hardware used in product reformulation, the testing protocols used, the results of the testing, and the cost of reformulation efforts.
  - (2) On or before March 31, 2017, all responsible parties for Multi-purpose Lubricant products shall report to the Executive Officer the following information for products sold or offered for sale in California:
    - (A) data regarding product sales and composition for the year 2016, including the information listed in section 94513(a), the entire product label; and
    - (B) a written update of the research and development efforts undertaken to achieve the 10 percent VOC limit specified in section 94509(a). The written update must include detailed information about the raw materials evaluated for use, MIR values for any VOC or LVP-VOC used or evaluated, the function of the raw material evaluated, hardware used in product reformulation, the testing protocols used, the results of the testing, and the cost of reformulation efforts.

- (g) *Special Reporting Requirements for Multi-purpose Solvent and Paint Thinner products*
- (1) On or before June 30, 2012, all responsible parties for Multi-purpose Solvent and Paint Thinner products shall report to the Executive Officer the following information for products sold or offered for sale in California:
    - (A) data regarding product sales and composition for the year 2011, including the information listed in section 94513(a), and the entire product label; and
    - (B) a written update of the research and development efforts undertaken to achieve the 3 percent VOC limits specified in section 94509(a). The written update must include detailed information about the raw materials evaluated for use; maximum incremental reactivity (MIR) values for any VOC or LVP-VOC used or evaluated; the function of the raw material evaluated; the testing protocols used; the results of the testing; and the cost of reformulation efforts.
- (h) *Special reporting requirements for "Multi-purpose Lubricant" products using the alternate compliance option specified in subsection 94509(r).*
- (1) The Responsible Party must report annual sales to the Executive Officer no later than March 31. The annual reporting requirement shall sunset on April 1, 2023.
  - (2) Product formulation must be reported upon initial qualification to comply using 94509(r). Product formulation shall be reported in accordance with subsections 94513(h)(2)(A) through (2)(G).
    - (A) Any ingredient listed in section 94700 must be reported if it is present in an amount greater than or equal to 0.1 percent by weight of the final "Multi-purpose Lubricant" product formulation.
    - (B) Any hydrocarbon solvent listed in section 94701 shall be reported as an ingredient if it is present in an amount greater than or equal to 0.1 percent by weight of the final "Multi-purpose Lubricant" product formulation. The hydrocarbon solvent bin number, manufacturer name, and trade name must be specified.
    - (C) Any ingredient assigned an MIR value in section 94509(r)(5) shall be reported if it is present in an amount greater than or equal to 0.1 percent by weight of the final "Multi-purpose Lubricant" product formulation.

- (D) For chemical mixtures not listed in sections 94700, 94701, or 94509(r)(5) each chemical compound in the mixture must be reported separately.
  - (E) Propellant mixtures must be reported as separate chemical compounds.
  - (F) If an MIR value other than terpinolene is used for fragrance, the Responsible Party must provide the fragrance ingredients.
  - (G) For the purpose of this subsection, a safety data sheet (SDS) does not constitute a product's formulation.
- (3) The Responsible Party will retain a minimum of three years of production records, as specified in subsection 94509(r)(1)(G), and provide them to the Executive Officer upon request.
  - (4) The Responsible Party shall provide any other information necessary to determine the PWMIR of the "Multi-purpose Lubricant" product to be tested including the MIR value for each ingredient used to calculate the PWMIR.
  - (5) Upon written notification from the Executive Officer, the Responsible Party will have 25 working days from the date of mailing to provide to the Executive Officer production records to determine compliance for products complying using the alternate compliance option in subsection 94509(r).
  - (6) Treatment of Confidential Information.

Information submitted by the Responsible Party pursuant to subsection 94513(h) will be handled in accordance with the procedures specified in Title 17, California Code of Regulations, sections 91000-91022.

- (i) *Special Reporting requirements for Personal Fragrance Product with less than or equal to ten percent by weight of combined fragrance ingredients:*
  - (1) On or before March 31, 2026, each responsible party for Personal Fragrance Products shall report to the Executive Officer the following information:
    - (A) data regarding product sales and composition for the year 2025, including the information listed in subsections 94513(a) and (c), the VOC content of the fragrance ingredients, if requested by the Executive Officer, and the entire product label for the responsible party's products sold or offered for sale in California; and

- (B) a written update on the responsible party's research and development efforts undertaken to date to achieve the 50 percent by weight VOC standard specified in section 94509(a). The report shall include the cost of reformulation efforts, and discussion of the past, planned, and ongoing research to meet the 50 percent by weight VOC standard specified in section 94509(a). The report shall provide a detailed description of the steps taken to achieve compliance, and the dates the steps were taken, including, but not limited to, the following:
- i) types of formulations to be tested;
  - ii) formulation data;
  - iii) prototype testing;
  - iv) toxicity testing and research;
  - v) stability testing;
  - vi) expert olfactory odor testing; and
  - vii) consumer acceptance research.

NOTE: Authority cited: Sections 39003, 39600, 39601, 39515, 39516, 39701, 41503.5, 41511, 41700, and 41712, Health and Safety Code. Reference: Sections 39000, 39002, 39003, 39600, 39602, 39607, 40000, 41503.5, 41511, 41700 and 41712, Health and Safety Code.

**§ 94514. Variances.**

- (a) *Applications for variances.* Any person who cannot comply with the requirements set forth in Section 94509, because of extraordinary reasons beyond the person's reasonable control may apply in writing to the Executive Officer for a variance. The variance application shall set forth:
- (1) the specific grounds upon which the variance is sought;
  - (2) the proposed date(s) by which compliance with the provisions of Section 94509 will be achieved;
  - (3) a compliance report reasonably detailing the method(s) by which compliance will be achieved, and
  - (4) for applicants requesting a variance from the June 1, 1999, 55 percent VOC standard for hairspray products, the variance application shall also include a plan describing how the applicant will mitigate the excess VOC emissions that would be emitted during the period of the variance.

- (b) *Notices and public hearings for variances.* Upon receipt of a variance application containing the information required in subsection (a), the Executive Officer shall hold a public hearing to determine whether, under what conditions, and to what extent, a variance from the requirements in Section 94509 is necessary and will be permitted. A hearing shall be initiated no later than 75 days after receipt of a variance application. Notice of the time and place of the hearing shall be sent to the applicant by certified mail not less than 30 days prior to the hearing. Notice of the hearing shall also be submitted for publication in the California Regulatory Notice Register and sent to every person who requests such notice, not less than 30 days prior to the hearing. The notice shall state that the parties may, but need not be, represented by counsel at the hearing. At least 30 days prior to the hearing, the variance application shall be made available to the public for inspection. Interested members of the public shall be allowed a reasonable opportunity to testify at the hearing and their testimony shall be considered.
- (c) *Treatment of confidential information.* Information submitted to the Executive Officer by a variance applicant may be claimed as confidential, and such information shall be handled in accordance with the procedures specified in Title 17, California Code of Regulations, Sections 91000-91022. The Executive Officer may consider such confidential information in reaching a decision on a variance application.
- (d) *Necessary findings for granting variances.* No variance shall be granted unless all of the following findings are made:
  - (1) that, because of reasons beyond the reasonable control of the applicant, requiring compliance with Section 94509 would result in extraordinary economic hardship.
  - (2) that the public interest in mitigating the extraordinary hardship to the applicant by issuing the variance outweighs the public interest in avoiding any increased emissions of air contaminants which would result from issuing the variance.
  - (3) that the compliance report proposed by the applicant can reasonably be implemented, and will achieve compliance as expeditiously as possible.
- (e) *Variance orders.* Any variance order shall specify a final compliance date by which the requirements of Section 94509 will be achieved. Any variance order shall contain a condition that specifies increments of progress necessary to assure timely compliance, and such other conditions that the Executive Officer, in consideration of the testimony received at the hearing, finds necessary to carry out the purposes of Division 26 of the Health and Safety Code.

- (f) *Situations in which variances shall cease to be effective.* A variance shall cease to be effective upon failure of the party to whom the variance was granted to comply with any term or condition of the variance.
- (g) *Modification and revocation of variances.* Upon the application of any person, the Executive Officer may review, and for good cause, modify or revoke a variance from requirements of Section 94509 after holding a public hearing in accordance with the provisions of subsection (b).
- (h) *Special conditions in variance orders for hairspray products.*

In imposing conditions in variance orders granted from the June 1, 1999, 55 percent VOC standard for hairspray products, the Executive Officer, in addition to any other conditions that may be imposed, shall require the applicant to mitigate the excess VOC emissions that would be emitted during the period of the variance. If this mitigation requirement would result in an extraordinary economic hardship to the applicant, or if other good cause exists, the Executive Officer may waive all or part of this requirement.

NOTE: Authority cited: Sections 39600, 39601 and 41712, Health and Safety Code. Reference: Sections 39002, 39600, 40000 and 41712, Health and Safety Code.

#### **§ 94515. Test Methods.**

- (a)
  - (1) *VOC and GWP compound content determination using CARB Method 310.* Testing to determine compliance with the requirements of this article, shall be performed using California Air Resources Board Method 310, Determination of Volatile Organic Compounds (VOC) in Consumer Products and Reactive Organic Compounds (ROC) in Aerosol Coating Products, adopted September 25, 1997 and as last amended on August 1, 2022, which is incorporated herein by reference. Alternative methods which are shown to accurately determine the concentration of VOCs in a subject product or its emissions may be used upon approval of the Executive Officer.

- (2) In sections 3.4, 3.5, and 3.6 of California Air Resources Board (CARB) Method 310, a process is specified for the “Initial Determination of VOC Content” and the “Final Determination of VOC Content”. This process is an integral part of testing procedure set forth in CARB Method 310, and is reproduced below:

Sections 3.4, 3.5, and 3.6 of California Air Resources Board Method 310

3.4 *Initial Determination of VOC Content.* If the Executive Officer makes a VOC content determination, they shall do so pursuant to sections 3.2 and 3.3. Only those components with concentrations equal to or greater than 0.1 percent by weight shall be reported.

3.4.1 Using the appropriate equation specified in section 4.0, the Executive Officer shall make an initial determination of whether the product meets the applicable VOC standards specified in the Consumer Products Regulations, under sections 94502 and 94509. If initial results show that the product does not meet the applicable VOC standards, the Executive Officer may perform additional testing to confirm the initial results.

3.4.2 If the results obtained under section 3.4.1 show that the product does not meet the applicable VOC standards, the Executive Officer may request the responsible party supply product formulation data to confirm compliance with the applicable VOC standard. The responsible party shall supply the requested information within 25 working days of the request. Information submitted to the Executive Officer may be claimed as confidential. The Executive Officer shall handle confidential information in accordance with Title 17, CCR, sections 91000 to 91022. Failure to respond to an Executive Officer request for this information is a violation.

3.4.3 If the Executive-Officer determines, based on testing, information they may receive from the responsible party, and any other applicable evidence, that the product does not comply with the applicable VOC standard, the Executive Officer will take appropriate enforcement action.

3.5 Determination of the LVP-VOC status of compounds and mixtures. This section does not apply to antiperspirants and deodorants or aerosol coatings products. Effective January 1, 2015, this section also does not apply to nonaerosol “Multi-purpose Solvent” and “Paint Thinner” products sold, supplied, offered for sale, or manufactured for use in the South Coast Air Quality Management District. There is no LVP-VOC exemption for these products.

3.5.1 Formulation data. If the vapor pressure or boiling point, or both, are unknown, the following ASTM methods, which are incorporated by reference herein, may be used to determine the LVP-VOC status of compounds and mixtures

3.5.1.1 Testing to determine vapor pressure may be performed using one of the following ASTM methods: ASTM D2879-97 (April 10, 1997), ASTM E1719-97 (March 10, 1997), or ASTM E1782-08 (March 1, 2008).

3.5.1.2 Testing to determine boiling point may be performed using one of the following ASTM methods: ASTM D86-01 (August 10, 2001), ASTM D850-00 (December 10, 2000), ASTM D1078-01 (June 10, 2001), or ASTM D2887-01 (May 10, 2001).

3.5.2 LVP-VOC status of "compounds" or "mixtures." The Executive Officer may test a sample of the LVP-VOC used in the product formulation to determine the boiling point for a compound or for a mixture. If the boiling point exceeds 216°C, the compound or mixture is an LVP-VOC. If the boiling point is less than 216°C, then the weight percent of the mixture which boils above 216°C is an LVP-VOC. The Executive Officer shall use the nearest 1 percent distillation cut that is greater than 216°C as determined under 3.5.1.2 to determine the percentage of the mixture qualifying as an LVP-VOC.

3.6 *Final Determination of VOC Content.* If a product's compliance status is not satisfactorily resolved under sections 3.4 and 3.5, the Executive Officer may conduct further analyses and testing as necessary based on the Executive Officer's scientific judgment to verify the formulation data.

3.6.1 If the Executive Officer is unable to verify the accuracy of the supplied formulation data, then the Executive Officer may ask the or responsible party to supply additional information to explain the discrepancy.

3.6.2 If there exists a discrepancy that cannot be resolved between the results of Method 310 and the supplied formulation data, then the results of Method 310 shall take precedence over the supplied formulation data. The results of Method 310 shall then determine if the product is in compliance with the applicable VOC standards, and may be used to establish a violation of CARB regulations.



- (b) VOC content determinations using product formulation and records. Testing to determine compliance with the requirements of this article may also be demonstrated through calculation of the VOC content from records of the amounts of constituents used to make the product pursuant to the following criteria:
- (1) Compliance determinations based on these records may not be used unless the responsible party of a consumer product keeps accurate records for each day of production of the amount and chemical composition of the individual product constituents. These records must be kept for at least three years.
  - (2) For the purposes of this section 94515(b), the VOC content shall be calculated according to the following equation:

$$\text{VOC Content} = \frac{B - C}{A} \times 100$$

where,

A = total net weight of unit (excluding container and packaging)

B = total weight of all VOCs, as defined in Section 94508(a), per unit

C = total weight of VOCs exempted under Section 94510, per unit

- (3) If product records appear to demonstrate compliance with the VOC limits, but these records are contradicted by product testing performed using ARB Method 310, the results of ARB Method 310 shall take precedence over the product records and may be used to establish a violation of the requirements of this article.
- (c) *Aromatic Compound content determination for Multi-purpose Solvent or Paint Thinner using ARB Method 310.* Testing to determine compliance with the requirements of section 94509(p)(1), shall be performed using Air Resources Board Method 310, Determination of Volatile Organic Compounds (VOC) in Consumer Products and Reactive Organic Compounds (ROC) in Aerosol Coating Products, adopted September 25, 1997 and as last amended on May 25, 2018, which is incorporated by reference herein. Alternative test methods that are demonstrated to be equally or more accurate than ARB Method 310 in determining the Aromatic Compound content in a product or its emissions may be used upon the written approval of the Executive Officer.
- (d) *Aromatic Compound content determinations for Multi-purpose Solvent or Paint Thinner using product formulation and records.* Testing to determine compliance with the requirements of section 94509(p)(1), may also be

demonstrated through calculation of Aromatic Compound content from records of the amounts of constituents used to make the product pursuant to the following criteria:

- (1) Compliance determinations based on these records may not be used unless the responsible party of a Multi-purpose Solvent or Paint Thinner keeps accurate records for each day of production of the amount and chemical composition of the individual product constituents. These records must be kept for at least three years.
- (2) For the purposes of this section 94515(d), the Aromatic Compound content shall be calculated according to the following equation:

$$\text{Aromatic Compound Content} = \frac{E}{D} \times 100$$

where,

D = total net weight of unit (excluding container and packaging)

E = total weight of all Aromatic Compounds, as defined in Section 94508(a), per unit

- (3) If product records appear to demonstrate compliance with the Aromatic Compound limit, but these records are contradicted by product testing performed using ARB Method 310, the results of ARB Method 310 shall take precedence over the product records and may be used to establish a violation of the requirements of this article.
- (e) Determination of liquid or solid. Testing to determine whether a product is a liquid or solid shall be performed using ASTM D4359-90 (May 25, 1990), which is incorporated by reference herein.
  - (f) Compliance determinations for charcoal lighter material products. Testing to determine compliance with the certification requirements for charcoal lighter material shall be performed using the procedures specified in the South Coast Air Quality Management District Rule 1174 Ignition Method Compliance Certification Protocol (February 28, 1991), which is incorporated by reference herein.
  - (g) Testing to determine distillation points of petroleum distillate-based charcoal lighter materials shall be performed using ASTM D86-01 (Aug. 10, 2001), which is incorporated by reference herein.
  - (h) Fragrance content determinations for personal fragrance products. Testing to determine the percent by weight of fragrance in personal fragrance products

shall be performed according to the Association of Official Analytical Chemists (AOAC) Official Method of Analysis No. 932.11, 1990, "Essential Oil in Flavor Extracts and Toilet Preparations, Babcock Method" (AOAC Official Methods of Analysis, 15th Edition, 1990), which is incorporated by reference herein.

- (i) No person shall create, alter, falsify, or otherwise modify records in such a way that the records do not accurately reflect the constituents used to manufacture a product, the chemical composition of the individual product, and any other test, processes, or records used in connection with product manufacture.
- (j) Effective January 1, 2015, testing to determine compliance with 25 g/L or 0.21 lb/gal VOC standard for nonaerosol "Multi-purpose Solvent" and "Paint Thinner" products sold, supplied, offered for sale, or manufactured for use in the South Coast Air Quality Management District (SCAQMD) shall be determined using ARB Method 310, with final VOC content determined as set forth in section 4.2.4, adopted September 25, 1997, and as last amended on May 25, 2018, which is incorporated herein by reference. As specified in section 3.5 of Method 310, and as reproduced in section 94515(a)(2), determination of LVP-VOC status does not apply because there is no LVP-VOC exemption for these products. Section 4.2.4 is reproduced below:

4.2.4 Effective January 1, 2015, for nonaerosol "Multi-purpose Solvent" and "Paint Thinner" products sold, supplied, offered for sale, or manufactured for use in the South Coast Air Quality Management District (SCAQMD), grams of VOC per liter of material (g/L) shall be calculated using the following equation:

$$\text{g/L VOC} = \frac{\text{WM} \times (\text{TV} - \text{H} - \text{EL})}{\text{VM}}$$

Where:

WM = weight of the material in grams.

VM = volume of the material in liters.

TV=weight fraction of total volatile material.

H=weight fraction of water.

EL = weight fraction of exempt compounds including the weight fraction of methyl esters with 17 or more carbon atoms in the total volatile material.

- (k) *Alternate compliance option verification for "Multi-purpose Lubricant" products.*
  - (1) Testing of "Multi-purpose Lubricant" products subject to the provisions of subsection 94509(r) must be performed by the procedures set forth in

“Air Resources Board Method 310, Determination of Volatile Organic Compounds (VOC) in Consumer Products and Reactive Organic Compounds (ROC) in Aerosol Coating Products,” (Method 310) adopted September 25, 1997, and as last amended on May 25, 2018, which is incorporated herein by reference. Only ingredients present in amount equal to or greater than 0.1 percent by weight will be reported.

NOTE: Authority cited: sections 39515, 39516, 39600, 39601, 39607, 41503.5, 41511, 41700, and 41712, Health and Safety Code. Reference: sections 39000, 39002, 39003, 39600, 39602, 39607, 40000, 41503.5, 41511, 41700, and 41712, Health and Safety Code.

#### **§ 94516. Severability.**

Each part of this article shall be deemed severable, and in the event that any part of this article is held to be invalid, the remainder of this article shall continue in full force and effect.

NOTE: Authority cited: Sections 39600, 39601, and 41712, Health and Safety Code. Reference: Sections 39002, 39600, 40000, and 41712, Health and Safety Code.

#### **§ 94517. Federal Enforceability.**

For purposes of federal enforceability of this article, the Environmental Protection Agency is not subject to approval determinations made by the Executive Officer under Sections 94511, 94514, and 94515. Within 180 days of a request from a person who has been granted an exemption or variance under Section 94511 or 94514, an exemption or variance meeting the requirements of the Clean Air Act shall be submitted by the Executive Officer to the Environmental Protection Agency for inclusion in the applicable implementation plan approved or promulgated by the Environmental Protection Agency pursuant to Section 110 of the Clean Air Act, 42 U.S.C., Section 7410. Prior to submitting an exemption granted under Section 94511 as a revision to the applicable implementation plan, the Executive Officer shall hold a public hearing on the proposed exemption. Notice of the time and place of the hearing shall be sent to the applicant by certified mail not less than 30 days prior to the hearing. Notice of the hearing shall also be submitted for publication in the California Regulatory Notice Register and sent to the Environmental Protection Agency, every person who requests such notice, and to any person or group of persons whom the Executive Officer believes may be interested in the application. Within 30 days of the hearing the Executive Officer shall notify the applicant of the decision in writing as provided in Section 94511(f). The decision may approve, disapprove, or modify an exemption previously granted pursuant to Section 94511.

NOTE: Authority cited: Section 39600, 39601, 39602, and 41712, Health and Safety code. Reference: Sections 39002, 39600, 39602, 40000, and 41712, Health and Safety Code