

**APPENDIX D: 1998 CARB AEROSOL ADHESIVES SURVEY**

**1998**  
***AEROSOL ADHESIVES SURVEY***

**March 3, 1999**

**ONLY USE THE SURVEY FORMS PROVIDED IN THIS PACKAGE, DO NOT USE ANY  
PREVIOUS CONSUMER PRODUCT SURVEY OR REGISTRATION FORMS.**

**THIS SURVEY IS MANDATORY.**

**DUE DATE: MAY 1, 1999**

California Environmental Protection Agency  
 **Air Resources Board**



Winston H. Hickox  
Secretary for  
Environmental  
Protection

# Air Resources Board

Alan C. Lloyd, Ph.D.  
Chairman

2020 L Street • P.O. Box 2815 • Sacramento, California 95812 • [www.arb.ca.gov](http://www.arb.ca.gov)



Gray Davis  
Governor

March 3, 1999

Dear Sir/Madam:

Enclosed please find a copy of the Air Resources Board's (ARB) 1998 Aerosol Adhesives Survey (survey). The survey is intended to assist manufacturers and responsible parties in fulfilling the special reporting requirements in California's Consumer Product Regulations, Title 17, California Code of Regulations, section 94513(d), regarding aerosol adhesives that are marketed in California.

The special reporting requirements specify that each manufacturer or responsible party submit to the Executive Officer of the Air Resources Board (ARB) a written report of 1998 California sales and formulation data for each aerosol adhesive product by March 31, 1999. The regulations also specify that, by the same date, manufacturers shall submit a written report of research and development efforts undertaken to achieve the regulations' December 31, 2002, standard of 25% volatile organic compounds (VOCs).

The information you provide in the survey will assist the ARB staff in determining the technical feasibility of the 25% VOC standard. Also, the information will be used if necessary to determine an alternative standard(s) that represents best available retrofit control technology (BARCT) for aerosol adhesives.

We request that you use the survey to submit your aerosol adhesive products information as described. The deadline for requesting all data and information has been extended to **May 1, 1999**. The survey contains detailed instructions and questions and answers for your assistance.

If you have any questions concerning this letter or the survey, please contact Ms. Linda Lee, Air Resources Engineer, at (916) 327-1514 (e-mail [llee@arb.ca.gov](mailto:llee@arb.ca.gov)), or Ms. Kim Nguyen, Air Resources Engineer, at (916) 327-1513 (e-mail [knguyen@arb.ca.gov](mailto:knguyen@arb.ca.gov)).

Sincerely,

  
Dean C. Simeroth, Chief  
Criteria Pollutants Branch

Enclosures

## QUESTIONS AND ANSWERS REGARDING AEROSOL ADHESIVES SURVEY

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**1. *What is an aerosol adhesive?***

The Consumer Products Regulations defines both “adhesive” and “aerosol adhesive.” Section 94508, CCR, defines “adhesive” as any product that is used to bond one surface to another by attachment. The definition of “aerosol adhesive” is contained within the “adhesive” definition. An aerosol adhesive is an aerosol product in which the spray mechanism is permanently housed in a nonrefillable can designed for hand-held application [32 ounces or less] without the need for ancillary hoses or spray equipment. “Aerosol product” is defined as a pressurized spray system that dispenses product ingredients by means of a propellant or mechanically induced force.

**2. *What is a “Responsible Party?”***

The “Responsible Party” is the company, firm, or establishment which is listed on the 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.

**3. *Must I still complete this survey form if I am not a Responsible Party?***

Yes, even if you are not a Responsible Party, please complete the top portion of **Form I: Company Information** and return this form to the following address:

California Air Resources Board  
Stationary Source Division  
Aerosol Adhesives Survey  
P.O. Box 2815  
Sacramento, CA 95812

For your convenience, the back of this form is already addressed and metered for postage. After completion, the form can be tri-folded, sealed, and dropped in the mail. You do not have to fill out any of the other forms.

**4. *If I have already filled out previous consumer product surveys, must I still complete this survey?***

Yes, you must still fill out this entire survey if you are a responsible party for an aerosol adhesive. The information requested in this survey is required by law. The ARB will be using this information to evaluate the VOC standard for aerosol adhesives contained in the Consumer Product Regulations.

**6. *If the survey information is claimed as confidential, how will it be treated?***

The ARB has adopted regulations to protect the confidentiality of trade secrets (Title 17, CCR, sections 90111 to 91022). A summary of ARB confidentiality regulations can be found in Attachment C of the survey package. You should fill out this form if you wish to designate any survey information as confidential. All information which you designate as confidential will be

**QUESTIONS AND ANSWERS REGARDING  
AEROSOL ADHESIVES SURVEY**

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handled strictly in accordance with ARB confidentiality regulations. In order to ensure that information deemed confidential is clearly identified, we have provided a box at the top of each page of the survey form to be checked if confidential information is provided on that page. The ARB has many years of experience in handling confidential information and takes its responsibilities very seriously. All confidential information will be kept in locked file cabinets and will be accessible to authorized ARB staff on an "as needed" basis only.

**1998**  
***AEROSOL ADHESIVES SURVEY***

**March 3, 1999**

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PREVIOUS CONSUMER PRODUCT SURVEY OR REGISTRATION FORMS.**

**THIS SURVEY IS MANDATORY.**

**DUE DATE: MAY 1, 1999**

California Environmental Protection Agency  
 **Air Resources Board**

# **Responsible Parties and Formulators**

## **Please read this before filling out the survey.**

The “*Responsible Party*” means the company, firm or establishment which is listed on the label of an aerosol adhesive product covered by this survey. 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.

If you are **not** the Responsible Party for any aerosol adhesive product as covered by this survey, please complete the top portion of **Form I: Company Information** only and return this form to the following address:

California Air Resources Board  
Stationary Source Division  
Aerosol Adhesives survey  
2020 L Street  
P.O. Box 2815  
Sacramento, CA 95812

**Formulators:** Please fill out the Research and Development Section - Forms R&D\_Parts 1, 2, 3 and 4 even if you are not the responsible party.

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### THIS PACKET CONTAINS:

- I. Survey Overview and Instructions
- II. Survey Forms and Sample Forms
- III. Attachments for completing the survey
  - Attachment A: List of Standard Industrial Classification (SIC) codes
  - Attachment B: United States Resident Population
  - Attachment C: Chemical Abstract Service (CAS) Numbers and Synonyms
  - Attachment D: Definitions
  - Attachment E: Title 17, California Code of Regulations, Section 91000 to 91100  
(The Air Resources Board's authority to collect information  
and the handling of confidential information)

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IF YOUR PACKET IS MISSING ANY ITEMS LISTED ABOVE, PLEASE CALL:

Ms. Linda Lee (916) 327-1514

Ms. Kim Nguyen (916) 327-1513

E-mail: llee@arb.ca.gov

E-mail: knguyen@arb.ca.gov

Facsimile number (916) 322-6088

**ONLY USE THE SURVEY FORMS PROVIDED IN THIS PACKAGE.  
DO NOT USE ANY PREVIOUS CONSUMER PRODUCT SURVEY  
OR REGISTRATION FORMS.**

Part I

**Survey Overview  
and Instructions**

# INSTRUCTIONS FOR COMPLETING THE 1998 AEROSOL ADHESIVES SURVEY

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## SURVEY OVERVIEW

The Air Resources Board's (ARB) Aerosol Adhesives Survey is intended to collect information about *aerosol adhesives* as defined in the Consumer Products Regulations that were sold for use in California in 1998. **You must complete this survey if you are the *responsible party*.**

The *responsible party* is the company, firm or establishment which is listed on the product label. If the label lists two companies, firms or establishments, the responsible party is the party whom the product was “manufactured for” or “distributed by,” as noted on the label.

If the responsible party is not the manufacturer/filler or not directly involved in the formulation of the product, they must identify the designated reporting party (manufacturer/filler or some other party) who will submit the survey to the ARB on their behalf. Otherwise, the responsible party and the designated reporting party may complete and submit the survey together. However, regardless of the arrangement, the responsible party is still legally responsible for ensuring that the survey is completed and submitted.

**We would like to emphasize that this survey is intended to collect information about all aerosol adhesives, including *consumer products*, *commercial products* (products used by household, commercial and institutional consumers), and *industrial products* (products designed and labeled exclusively for use in the manufacturing of goods or commodities).** All consumer, commercial, and industrial products which are defined as aerosol adhesives must be reported.

This survey consists of the following questionnaire forms and five attachments:

### Company and Product Forms

- I: Company Information
- II: Formulator Information
- III: Product Sales
- IV-A: Product Ingredients (Responsible Party form)
- IV-B: Product Ingredients (Formulator form)

### Research and Development Forms

- Part 1: Research Overview
- Part 2: Research and Development Results
- Part 3: Technology Tested
- Part 4: Technology Not Tested

### Confidential Information Submittal Form

Attachment A: List of Standard Industrial Classification (SIC) Codes

## **SURVEY OVERVIEW**

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- Attachment B: United States Resident Population
- Attachment C: Chemical Abstract Service (CAS) Numbers and Synonyms
- Attachment D: Definitions
- Attachment E: Title 17, California Code of Regulations, Section 91000 to 91100 (The Air Resources Board's authority to collect information and the handling of confidential information)

Please read the instructions before completing this survey.

### **Survey Due Date**

This survey is due **May 1, 1999**. Once it is completed, please send it to:

California Air Resources Board  
Stationary Source Division  
Aerosol Adhesives Survey  
P.O. Box 2815  
Sacramento, CA 95812  
**CONFIDENTIAL MATERIALS ENCLOSED**

### **Confidential Information**

**The ARB will treat ALL information that you provide in this survey as Confidential.** Title 17, California Code of Regulations (CCR), Section 91000 to 91100 (Attachment E) describes the handling of Confidential Information. We also request that you review and complete the Confidential Information Submittal Form found in Part II, and submit a hard copy of it with your completed survey. Finally, for your protection, each page of the survey form has a box to check to indicate that the information on that page is confidential. The ARB takes extreme measures to ensure that all Confidential Information remains confidential pursuant to Title 17, CCR.

### **Contact People**

If you have any questions, please contact the following staff:

Linda Lee	(916) 327-1514	llee@arb.ca.gov
Kim Nguyen	(916) 327-1513	knguyen@arb.ca.gov

## INSTRUCTIONS FOR FORMS I AND II

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### FORM I: COMPANY INFORMATION

### FORM II: FORMULATOR INFORMATION

The following instructions apply to Forms I and II. General company information such as name and address are needed, as well as fundamental information regarding the company. This information will assist us in determining the economic impacts of any proposed regulatory actions.

#### **Data Fields on Form I**

**Company Name; Division Name; Address; Contact Person Name, Phone Number, Fax Number, and E-mail Address; and Co. Website Address:** Complete as indicated on the form.

**Responsible Party:** Enter the appropriate answer in the box (yes or no) to indicate if your company is the *responsible party* (see definitions) for any *aerosol adhesive* products as defined in the Consumer Products Regulations (see definitions) that were sold in California in 1998. If you are not the *responsible party*, please stop here and submit this form to the ARB. For your convenience, the back of Form I is already addressed and metered for postage. The form can be tri-folded, sealed, and dropped in the mail.

**Standard Industrial Classification (SIC) Codes:** Enter the SIC codes applicable to your company's business (for example, one SIC code for Adhesives and Sealants Manufacturing is 2891). A list of SIC codes is provided in Attachment A. A listing of SIC codes can also be found on the internet at <http://www.osha.gov/oshstats/sicsr.html>.

**Independent Ownership:** Enter the appropriate answer (yes or no) to indicate if the company is *independently owned*. Please refer to the Definitions in Attachment D for clarification of the terms in this question. If the company is not *independently owned*, enter the name and address of the *parent company* in the spaces provided.

**Employees Nationwide:** Enter the number of *employees* (including full-time, part-time and temporary staff) of the company or division nationwide. Please refer to the Definitions in Attachment D for clarification of the terms in this question.

**Contract Employees Nationwide:** Enter the number of *contract employees* of the company or division nationwide. Please refer to the Definitions in Attachment D for clarification of the terms in this question.

**California Employees:** Enter the number of *employees* (including full-time, part-time and temporary staff) of the company or division in California. Please refer to the Definitions in Attachment D for clarification of the terms in this question.

**Contract Employees in California:** Enter the number of *contract employees* of the company or division in California. Please refer to the Definitions in Attachment D for clarification of the terms

## INSTRUCTIONS FOR FORMS I AND II

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in this question.

**Gross Annual Receipts:** Enter the corresponding answer for the *typical gross annual receipts* generated by the company or division worldwide. Please refer to the Definitions in Attachment D for clarification of the terms in this question.

**Forwarding the Survey to Another Company for Formulation Data:** In the event you do not know the product formulation information required in Form IV-A: Product Ingredient, please do the following:

- 1) Indicate in the box provided on Form I that your company will be forwarding a copy of this survey to another company for completion.
- 2) Complete and submit to the ARB Form I, Form II, Form III (Enter NO for the question “Do you have all of the ingredient information for this product?” under the Product Ingredients section of Form III.), and Forms R&D Part 1 to Part 4.
- 3) Fill out the Responsible Party and Product Name section of Form IV-B, and forward this form with a blank copy of the entire survey to the formulator. This form has the Formulator Company Data section. Request that the formulator complete and submit this form to the ARB.

**Certification:** Please have a designated contact person certify the accuracy of the completed survey.

### **Data Fields on Form II**

Complete as indicated on the form.

## INSTRUCTIONS FOR FORM III

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### FORM III: PRODUCT SALES

All product responses are to be placed on this form. There is one product or group of related products per form. Please make more copies of the form as needed and number the sheets in the space provided in the header. There are several things to remember as you complete this section of the survey:

- A) Only complete Form III if you are the *responsible party* for any *aerosol adhesives* that were sold in California in calendar year 1998.
- B) You may group products according to the criteria listed under the "Full Product Name" field below.
- C) The survey must be completed using data from calendar year 1998, or if these data are not available, the most recent twelve month consecutive period beginning no earlier than July 1, 1997.
- D) All aerosol adhesive products must be reported, regardless of whether they have been reported in previous ARB consumer products surveys.

### Data Fields

#### RESPONSIBLE PARTY AND PRODUCT NAME

**Responsible Party Name and Formulator Name:** Complete as indicated on the form.

**Full Product Name:** Please provide the name of the product as shown on the *principal display panel* or a representative name for a group of products that have been aggregated. Products may be aggregated according to the following criteria:

- 1) All products must have the same Application Category as listed on Form III.
- 2) All products must be applicable to the same substrates as listed on Form III.
- 3) The products included in the group must have no greater than two percent variation in total volatile organic compound (VOC) content, where the difference is only due to the type or amount of *fragrance* or *colorant*
- 4) List the names of the products to be aggregated on the back of Form III.

**SALES REPORTING OPTIONS:** You have two options for entering the sales of your product. Regardless of the option chosen, provide calendar year 1998 California sales data, or, if 1998 sales are not available, provide the sales for the most recent 4 quarters for which data are available. This period should begin no earlier than July 1, 1997.

#### **Option 1:**

Calculate the total 1998 product sales in California (in pounds less packaging) and enter this amount in the box provided.

## INSTRUCTIONS FOR FORM III

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### Option 2:

- a) List the product sizes and the estimated number of units sold in each size in California in 1998.
- b) Place an "X" in the Size Units box indicating whether your product size units are fluid ounces or weight ounces.
- c) If your size units are listed in fluid ounces, please provide either the density of the product in pounds per gallon or grams per milliliter, or provide the specific gravity. Spaces are provided for these entries.

**Estimating California Sales:** If California-specific sales data are not available, sales may be estimated using national or *regional* sales figures that are apportioned appropriately. If you use population as a basis for determining sales, please use the population estimates provided in Attachment B. If you are estimating sales by another method, please explain on the back of Form III.

**Entering Sales Data for Grouped Products:** If you are grouping products, please combine the sales of all grouped products. Be sure the individual product names are listed on the back of Form III.

### PRODUCT CATEGORY:

**Type of Spray:** Place an "X" in the appropriate box.

**Type of Application:** Place an "X" in the box for each application type. Definitions of the *applications* are provided in Attachment D.

**Substrate:** Place an "X" in the box for each applicable substrate. If the substrate(s) is/are not listed, place an "X" in the "other" box and write in the substrate(s).

**PRODUCT INGREDIENTS:** Indicate in the box provided whether you have all of the ingredient information for the product and will be filling out the ingredient information, or you will be forwarding the Product Ingredients Form to your formulator. If YES, you may do one of the following: (1) Complete **Form IV-A** for the product, or (2) If the product was reported in the ARB's 1997 Consumer and Commercial Products Survey, dated February 28, 1998, please submit a copy of the product formulation data and complete the LVP-VOC section on Form IV-A. If NO, send **Form IV-B** to your formulator, and follow the forwarding instructions on page 4.

## INSTRUCTIONS FOR FORMS IV-A AND IV-B

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### FORM IV-A: PRODUCT INGREDIENTS (RESPONSIBLE PARTY FORM)

### FORM IV-B: PRODUCT INGREDIENTS (FORMULATOR FORM)

All product ingredient responses are to be placed on this form. Please use one sheet per product or group of products. Please make more copies of the form as needed and number the sheets in the space provided in the header. Please note: Use **Form IV-A** if you have all of the ingredient information for your product. If you are sending the product ingredient sheet to the formulator to complete, forward **Form IV-B** to your formulator. The survey forwarding instructions are on page 4.

#### Data Fields

#### RESPONSIBLE PARTY AND PRODUCT NAME

**Responsible Party Name:** This should be the same as the name on Form III.

**Full Product Name:** Please enter the name of the product or the representative name if a group of products have been aggregated. This should be the same as the name on Form III.

#### INGREDIENT INFORMATION

**VOC SPECIATION TABLE:** Every *volatile organic compound* (VOC) that amounts to 0.1 weight percent or more of the product must be listed. The total of all VOC ingredients which individually represent less than 0.1 weight percent of the product should be entered into the box at the bottom of the speciation table.

**Ingredient Name:** enter the name of the ingredient.

**CAS #:** Please enter the Chemical Abstract Service (CAS) number for the ingredient if available. A list of CAS numbers for a number of chemicals is included in Attachment C.

**Weight %:** Enter the percent by weight to the nearest 0.1% of the ingredient in the final product. If the ingredient is a mixture of known components, list the ingredients separately with their individual weight percentages in the final product. If the components of the mixture cannot be determined, list the ingredient as a single entity.

**Total VOC Content (Total A):** Sum the weight percentages for the VOC's listed in the table above, including the total of the VOC's which are individually less than 0.1% of the product.

**EXEMPT AND INORGANIC COMPOUNDS:** Enter the weight percent to the nearest 0.1% for each of the nine *exempt compounds* listed (acetone, carbon dioxide, HFC-152a, methyl acetate, methylene chloride, perchloroethylene, parachlorobenzotrifluoride, 1,1,1-TCA, *volatile methyl siloxanes*), and enter the weight percent of water. Aggregate the remaining exempt compounds and the remaining inorganic compounds and provide these weight percentages in "All other Exempt Compounds" and "All other Inorganic compounds," respectively. Finally, sum all

## INSTRUCTIONS FOR FORMS IV-A AND IV-B

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of the exempt and inorganic compounds in the table above, and indicate this value in the Total Exempt/Inorganic box (**Total B**).

**LVP-VOC SOLVENT SPECIATION TABLE:** Every solvent contained in a *Low Vapor Pressure-Volatile Organic Compounds (LVP-VOC)* in amount of 0.1 weight percent or more of the product must be listed. If the product does not use a solvent in the *LVP-VOC* mixture, skip down to “Total LVP-VOC Solvents (**Total C**) and enter 0.”

**Ingredient Name:** Enter the name of the ingredient.

**Trade Name:** Enter the trade name of the solvent, if known. This applies even if the trade name is the same as the solvent name. Please attach MSDS sheets if available.

**CAS #:** Please enter the Chemical Abstract Service (CAS) number for the solvent if available. A list of CAS numbers for a number of chemicals is included in Attachment C.

**Weight %:** Enter the percent by weight to the nearest 0.1% of the ingredient in the final product. If the ingredient is a mixture of known components, list the ingredients separately with their individual weight percentages in the final product. If the components of the mixture cannot be determined, list the ingredient as a single entity.

**Total LVP-VOC Solvents (Total C):** Sum the weight percentages for the solvents listed in the table above, including the total of the solvents which are individually less than 0.1% of the product. Enter this amount to the nearest 0.1 percent. If you have not listed any solvents in the table above, enter 0.

**Total Other LVP-VOC Content (Total D):** Aggregate the total weight percent for all *LVP-VOCs* that are not listed in the LVP-VOC Solvent Speciation Table and enter this amount to the nearest 0.1 percent. Other LVP-VOCs include rubber, resins, surfactants, etc.

**Total Ingredients:** The sum of Total A, Total B, Total C, and Total D **must equal 100 percent**. If this value does not sum to 100, check the component percentages for an error.

## INSTRUCTIONS FOR FORMS R&D\_PART 1 TO R&D\_PART 4

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In the case that the responsible party is not the manufacturer/filler or not directly involved in the research and development of reformulated products, you do not have to complete this section of the survey.

### FORM R&D\_PART 1: RESEARCH OVERVIEW

#### Data Field

**Company Name:** Enter your company name.

**Research and Development Efforts Update:** Please provide a general summary of your research and development efforts, successes and failures, to date for developing a product(s) with less than 75% VOC by weight. The discussion should include a brief description of the technologies (e.g., water-based, low VOC solvents/exempt compounds substitution) being pursued; any special packaging or valves being considered; any testing performed (e.g., prototype, stability, performance, consumer market/acceptance); and the results of the testing. Please make more copies of the form as needed and number the sheets in the space provided in the header. If other sheets of paper are used instead of this form, please number the sheets and indicate in the top right hand corner the name of the form (Form R&D\_Part 1).

### FORM R&D\_PART 2: RESEARCH AND DEVELOPMENT RESULTS

#### Data Fields

**Company Name, Research and Development Results:** Complete as indicated on the form.

### FORM R&D\_PART 3: TECHNOLOGY TESTED

Descriptions of the technology tested, alone or in combination, are to be placed on this form. Please make more copies of the form as needed and number the sheets in the space provided in the header.

#### Data Fields

**Company Name:** Complete as indicated on the form.

**Technology Description:** Please provide a detailed description of each of the technologies tested.

**Type of Application, and Substrate:** Complete as indicated on the form (for instructions, see Form III instructions on Product Category).

## INSTRUCTIONS FOR FORMS R&D\_PART 1 TO R&D\_PART 4

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**Technological Advantages and Shortfalls:** Please provide a detailed description of the advantages and shortfalls encountered.

**Potential VOC Level:** Please determine a potential VOC level achievable with this technology. Please specify any stipulations and, if applicable, approximate the month and year when a product is expected to be available in California.

**Incremental Cost of Manufacturing:** Based on this technology, please estimate the incremental cost difference between manufacturing the potential reformulated product and the existing product in dollars per pound (\$/lb product). Provide cost in year 2000 dollars and assume an interest rate of 7.5% over 5 years.

### FORM R&D\_PART 4: TECHNOLOGY NOT TESTED SHEETS

Please make more copies of the form as needed and number the sheets in the space provided in the header.

#### Data Fields

**Company Name:** Complete as indicated on the form.

**Technology Not Tested:** Please provide an explanation of why the technology was not tested. If the reason is cost, please include your estimate of the incremental cost of manufacturing using this technology. Please provide cost in year 2000 dollars and assume an interest rate of 7.5% over 5 years.

Part II

**Survey Forms**

(Blanks and Samples)

(Yes or No)

I

COMPANY INFORMATION

Company Name

Contact Person

Division Name (s)

Phone Number

Fax Number

Address

E-mail

Address

Co. Website

Address

RESPONSIBLE PARTY

(YES or NO)

(If no, stop here, and submit this form to ARB)

SIC CODES

INDEPENDENT OWNERSHIP

Is your company independently owned (Yes/No)?

If No, provide parent company information below.

Parent Company Name

Parent Company Address

NATIONWIDE EMPLOYEES

(0) None

(1) 1 to 10

(2) 11 to 100

(3) 101 to 250

(4) 251 to 500

(5) More than 500

CONTRACT EMPLOYEES (USA)

(0) None

(1) 1 to 10

(2) 11 to 100

(3) 101 to 250

(4) 251 to 500

(5) More than 500

CALIFORNIA EMPLOYEES

(0) None

(1) 1 to 10

(2) 11 to 100

(3) 101 to 250

(4) 251 to 500

(5) More than 500

CONTRACT EMPLOYEES (CA)

(0) None

(1) 1 to 10

(2) 11 to 100

(3) 101 to 250

(4) 251 to 500

(5) More than 500

GROSS ANNUAL RECEIPTS

(1) Less than \$250,000

(2) Between \$250,000 to \$1 million

(3) Between \$1 million and \$10 million

(4) Between \$10 million and \$100 million

(5) More than \$100 million

FORMULATION DATA

Are you forwarding the formulation data for one or more of your products to another company for completion (Yes or No)?

If Yes, please complete Form II: Formulator Information (next page).

CERTIFICATION

"I hereby certify that, to the best of my knowledge and belief, all information entered on the Company Information Form, Formulator Information Form, Product Sales Form, Product Ingredient Form, and Research and Development Forms is complete and accurate."

Name:

Title:

Signature:

Date Signed:

FOR ARB USE ONLY:

Company File Number

Product Number

Confidential  
(Yes or No)

**AIR RESOURCES BOARD**  
**1998 AEROSOL ADHESIVES SURVEY**  
**FORMULATOR INFORMATION**

Form

**II**

If you have completed Form III: Product Sales for which you do not have the formulation data, please provide the company name, address and contact person's name and phone number in the spaces below.

RESPONSIBLE PARTY NAME

Form IV-B: Product Ingredients  
Sheet Number(s)

Formulator Name

Address

Contact  
Name

Phone  
Number

Form IV-B: Product Ingredients  
Sheet Number(s)

Formulator Name

Address

Contact  
Name

Phone  
Number

Form IV-B: Product Ingredients  
Sheet Number(s)

Formulator Name

Address

Contact  
Name

Phone  
Number

Form IV-B: Product Ingredients  
Sheet Number(s)

Formulator Name

Address

Contact  
Name

Phone  
Number

**FOR ARB USE ONLY:**

Company File Number

Product Number

Confidential

# AIR RESOURCES BOARD 1998 AEROSOL ADHESIVES SURVEY

Form

# III

(Yes or No)

**PRODUCT SALES** Sheet # \_\_\_\_ of \_\_\_\_

### RESPONSIBLE PARTY AND PRODUCT NAME

Responsible Party Name

Formulator Name (If different than Responsible Party Name)

Full Product Name

### SALES REPORTING OPTIONS

Option 1: Total CA Sales in Pounds

Option 2: Product Size Distribution Table

	Size	CA Units Sold
#1		
#2		
#3		
#4		
#5		
#6		

Size Units

Wt. Oz.

Fluid Oz.

(if fluid Oz, list one below)

Density, lb/Gal

Density, g/ml

Specific Gravity

### PRODUCT CATEGORY

**Type of Spray:**

Lace

Particle

**Type of Application:**

Mounting

High Performance

Other, please list

Repositionable

General Purpose

**Substrate** (Check all that applies):

Ceramic

High Pressure Laminate

Styrofoam®

Expanded Polystyrene Foam

Leather

Vinyl

Fabric

Metal

Wood

Fiberglass

Paper

Other, please list

Glass

Rubber

### PRODUCT INGREDIENTS

Do you have all of the ingredient information for this product (Yes or No)?

If YES **complete Form IV-A: Product Ingredients entirely**, Or if the product was reported in the ARB's "1997 Consumer and Commercial Products Survey," dated February 28, 1998, please **submit copies of product formulation data and complete the LVP-VOC section on Form IV-A**,

If NO, **send Form IV-B: Product Ingredients** to your formulator.

**FOR ARB USE ONLY:**

Company File Number

Product Number

Confidential

**AIR RESOURCES BOARD  
1998 AEROSOL ADHESIVES SURVEY**

Form  
**IV-A**

(Yes or No)

**PRODUCT INGREDIENTS** Sheet # \_\_\_ of \_\_\_

**RESPONSIBLE PARTY AND PRODUCT NAME**

Responsible Party Name

Full Product Name

**INGREDIENT INFORMATION**

**VOC SPECIATION TABLE**

**EXEMPT AND INORGANIC  
COMPOUNDS**

	Ingredient Name	CAS #	Wt. %
#1			
#2			
#3			
#4			
#5			
#6			
#7			
#8			
#9			
#10			
Total VOC ingredients each less than 0.1% by wt. of the product			

Methyl Acetate	
Parachlorobenzotrifluoride	
Methylene Chloride	
1,1,1-Trichloroethane	
Volatile Methyl siloxanes	
Acetone	
Carbon Dioxide	
HFC-152a	
Water	
Perchloroethylene	
All Other Exempt Compds	
All Other Inorganic Compds	

(A) Total VOC Content

(B) Total Exempt/Inorganic

**LVP-VOC SOLVENT SPECIATION TABLE**

	Ingredient Name	Trade Name	CAS #	Wt. %
#1				
#2				
#3				
#4				
#5				
#6				
#7				
Total LVP-VOC solvents each less than 0.1% by wt. of the product				

(C) Total LVP-VOC Solvents

(D) Total Other LVP-VOC Content

Total of A, B, C and D (MUST EQUAL 100 %)

**FOR ARB USE ONLY:**

Company File Number

Product Number

Confidential

AIR RESOURCES BOARD  
1998 AEROSOL ADHESIVES SURVEY

Form

IV-B

(Yes or No)

PRODUCT INGREDIENTS Sheet # \_\_\_ of \_\_\_

RESPONSIBLE PARTY AND PRODUCT NAME

Responsible Party Name

Full Product Name

FORMULATOR COMPANY DATA

Formulator Company Name/Address

Contact Person

Phone/Fax  
Numbers

E-mail  
Address

INGREDIENT INFORMATION

VOC SPECIATION TABLE

	Ingredient Name	CAS #	Wt. %
#1			
#2			
#3			
#4			
#5			
#6			
#7			
#8			
#9			
#10			
Total VOC ingredients each less than 0.1% by wt. of the product			

EXEMPT AND INORGANIC  
COMPOUNDS

	Wt. %
Methyl Acetate	
Parachlorobenzotrifluoride	
Methylene Chloride	
1,1,1-Trichloroethane	
Volatile Methyl siloxanes	
Acetone	
Carbon Dioxide	
HFC-152a	
Water	
Perchloroethylene	
All Other Exempt Compds	
All Other Inorganic Compds	
(A) Total VOC Content	<input type="text"/>
(B) Total Exempt/Inorganic	<input type="text"/>

LVP-VOC SOLVENT SPECIATION TABLE

	Ingredient Name	Trade Name	CAS #	Wt. %
#1				
#2				
#3				
#4				
#5				
#6				
#7				
Total LVP-VOC Solvents each less than 0.1% by wt. of the product				

(C) Total LVP-VOC Solvents

(D) Total Other LVP-VOC Content

Total of A, B, C and D (MUST EQUAL 100 %)

FOR ARB USE ONLY:

Company File Number

Product Number

**AIR RESOURCES BOARD  
1998 AEROSOL ADHESIVES SURVEY**

Form  
**R&D**  
**Part 1**

Confidential  
(Yes or No)

**RESEARCH OVERVIEW**      Sheet # \_\_\_ of \_\_\_

**COMPANY NAME**

**Research and Development Efforts Update**

Please provide an overview of your research and development efforts, successes and failures, undertaken to achieve **VOC levels less than 75 percent by weight**. Your description should include the raw materials (solvents, propellants, resins, and polymers) and hardware (valves, actuators, cans) tested, the testing protocols used, and the results of the testing.

**FOR ARB USE ONLY:**

Company File Number

Product Number

**AIR RESOURCES BOARD  
1998 AEROSOL ADHESIVES SURVEY**

Form  
**R&D**  
**Part 2**

Confidential  
(Yes or No)

**RESEARCH AND DEVELOPMENT RESULTS**

**COMPANY NAME**

**Research and Development Results**

Please indicate by checking the appropriate boxes which technologies you have tested:

Technology	Tested	Not Tested
Water-based		
Acetone		
Parachlorobenzotrifluoride		
Methyl Acetate		
Volatile Methyl Siloxanes		
Other Exempt Solvents Tested, please list:		
HFC-152a Propellant		
Carbon Dioxide Propellant		
Other Propellants Tested, please list:		
Increasing Solids Content		
Low Solvent Resin Technology		
Hardware		
Other Tested, please list:		

Please fill out **Form R&D\_Part 3** for technologies that you have tested. For technologies not tested, please indicate on **Form R&D\_Part 4** the reasons you have not explored these technologies. If the reason is economic, please include your estimate of the incremental cost of manufacturing using this technology.

**FOR ARB USE ONLY:**

Company File Number

Product Number

**AIR RESOURCES BOARD  
1998 AEROSOL ADHESIVES SURVEY**

Form  
**R&D**  
**Part 3**

Confidential  
(Yes or No)

**TECHNOLOGY TESTED**

Sheet # \_\_\_ of \_\_\_

**COMPANY NAME**

**Technology Description:**

**Type of Application:**

Mounting

  

High Performance

  

Other, please list

Repositionable

General Purpose

\_\_\_\_\_

**Substrate (Check all that applies):**

Ceramic

  
  
  
  

High Pressure Laminate

  
  
  
  

Styrofoam®

  
  
  

Expanded Polystyrene Foam

Leather

Vinyl

Fabric

Metal

Wood

Fiberglass

Paper

Other, please list

Glass

Rubber

\_\_\_\_\_

**Technological Advantages or Shortfalls:**

**Potential VOC Level (alone or in combination), please specify any stipulations and timeframe:**

**Incremental Cost of Manufacturing:**

**FOR ARB USE ONLY:**

Company File Number

Product Number

**AIR RESOURCES BOARD  
1998 AEROSOL ADHESIVES SURVEY**

Form

**R&D  
Part 4**

Confidential

(Yes or No)

**TECHNOLOGY NOT TESTED** Sheet # \_\_\_ of \_\_\_

**COMPANY NAME**

**Technology Not Tested:**

**Technology Not Tested:**

**Technology Not Tested:**

**FOR ARB USE ONLY:**

Company File Number

Product Number

**CONFIDENTIAL INFORMATION SUBMITTAL FORM**

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If you wish to designate any information contained in your survey data as **CONFIDENTIAL INFORMATION**, please provide the data requested below and return it with your completed survey form.

In accordance with Title 17, California Code of Regulations (CCR), Section 91000 to 91022, and the California Public Records Act (Government Code Section 6250 et seq.), the information that a company provides to the Air Resources Board (ARB) may be released (1) to the public upon request, except trade secrets which are not emissions data or other information which is exempt from disclosure or the disclosure of which is prohibited by law, and (2) to the Federal Environmental Protection Agency (EPA), which protects trade secrets as provided in Section 114(c) of the Clean Air Act and amendments thereto (42 USC 7401 et seq.) and in federal regulation, and (3) to other public agencies provided that those agencies preserve the protections afforded information which is identified as a trade secret, or otherwise exempt from disclosure by law (Section 39660(e)).

Trade secrets as defined in Government Code Section 6254.7 are not public records and therefore will not be released to the public. However, the California Public Records Act provides that air pollution emission data are always public records, even if the data comes within the definition of trade secrets. On the other hand, the information used to calculate information is a trade secret.

If any company believes that any of the information it may provide is a trade secret or otherwise exempt from disclosure under any other provision of law, **it must identify the confidential information as such at the time of submission to the ARB and must provide the name address, and telephone number of the individual to be consulted**, if the ARB receives a request for disclosure or seeks to disclose the data claimed to be confidential. The ARB may ask the company to provide documentation of its claim of trade secret or exemption at a later date. Data identified as confidential will not be disclosed unless the ARB determines, in accordance with the above referenced regulations, that the data do not qualify for a legal exemption from disclosure. The regulations establish substantial safeguards before any such disclosure.

-----

In accordance with the provisions of Title 17, California Code of Regulations, Section 91000 to 91022, and the California Public Records Act (Government Code Sections 6250 et seq.),

**Company Name:** \_\_\_\_\_ declares that all the information submitted in response to the California Air Resources Board's information request on the 1997 LVP-VOC Survey for Consumer and Commercial Products is confidential "trade secret" information, and request that it be protected as such from public disclosure. All inquiries pertaining to the confidentiality of this information should be directed to the following person:

Date: \_\_\_\_\_

Mailing Address:

_____	(Signature)	_____
_____	(Printed Name)	_____
_____	(Title)	_____
_____	(Telephone Number)	_____

(Yes or No)

COMPANY INFORMATION

Company Name

THE STICKY GLUE CO.

Contact Person

JOE SMITH

Division Name (s)

AEROSOL DIVISION

Phone Number

(818) 123-4567

Fax Number

(818) 123-4000

E-mail

Address

jsmith@stickyglue.com

Address

1998 AA SURVEY STREET  
LOS ANGELES, CA 91342

Co. Website

Address

www.stickyglue.com

RESPONSIBLE PARTY

(YES or NO)

YES

(If no, stop here, and submit this form to ARB)

SIC CODES

2891

5169

5199

INDEPENDENT OWNERSHIP

Is your company independently owned (Yes/No)?

YES

If No, provide parent company information below.

Parent Company Name

Parent Company Address

NATIONWIDE EMPLOYEES

- (0) None
- (1) 1 to 10
- (2) 11 to 100
- (3) 101 to 250
- (4) 251 to 500
- (5) More than 500

2

CONTRACT EMPLOYEES (USA)

- (0) None
- (1) 1 to 10
- (2) 11 to 100
- (3) 101 to 250
- (4) 251 to 500
- (5) More than 500

0

CALIFORNIA EMPLOYEES

- (0) None
- (1) 1 to 10
- (2) 11 to 100
- (3) 101 to 250
- (4) 251 to 500
- (5) More than 500

2

CONTRACT EMPLOYEES (CA)

- (0) None
- (1) 1 to 10
- (2) 11 to 100
- (3) 101 to 250
- (4) 251 to 500
- (5) More than 500

0

GROSS ANNUAL RECEIPTS

- (1) Less than \$250,000
- (2) Between \$250,000 to \$1 million
- (3) Between \$1 million and \$10 million
- (4) Between \$10 million and \$100 million
- (5) More than \$100 million

3

FORMULATION DATA

Are you forwarding the formulation data for one or more of your products to another company for completion (Yes or No)?

If Yes, please complete Form II: Formulator Information (next page).

YES

CERTIFICATION

"I hereby certify that, to the best of my knowledge and belief, all information entered on the Company Information Form, Formulator Information Form, Product Sales Form, Product Ingredient Form, and Research and Development Forms is complete and accurate."

Name: JOE SMITH

Title: SENIOR SPECIALIST, REGULATORY AFFAIRS

Signature: Joe Smith

Date Signed: 4/15/1999

FOR ARB USE ONLY:

Company File Number

Product Number

Confidential  
(Yes or No)

**AIR RESOURCES BOARD**  
**1998 AEROSOL ADHESIVES SURVEY**  
**FORMULATOR INFORMATION**

Form  
**SAMPLE II**

If you have completed Form III: Product Sales for which you do not have the formulation data, please provide the company name, address and contact person's name and phone number in the spaces below.

RESPONSIBLE PARTY NAME

THE STICKY GLUE CO.

Form IV-B: Product Ingredients  
Sheet Number(s)

1, 2, 3

Formulator Name

FOUR SEASONS CHEMICAL CO.

Address

1999 SOUTH SUBMITTAL LANE  
LOS ANGELES, CA 91340

Contact  
Name

Phone  
Number

Form IV-B: Product Ingredients  
Sheet Number(s)

Formulator Name

Address

Contact  
Name

Phone  
Number

Form IV-B: Product Ingredients  
Sheet Number(s)

Formulator Name

Address

Contact  
Name

Phone  
Number

Form IV-B: Product Ingredients  
Sheet Number(s)

Formulator Name

Address

Contact  
Name

Phone  
Number

FOR ARB USE ONLY:

Company File Number

Product Number

Confidential

AIR RESOURCES BOARD  
1998 AEROSOL ADHESIVES SURVEY

Form  
**SAMPLE III**

(Yes or No)

PRODUCT SALES Sheet # 1 of 10

**RESPONSIBLE PARTY AND PRODUCT NAME**

Responsible Party Name

THE STICKY GLUE CO.

Formulator Name (If different than Responsible Party Name)

FOUR SEASONS CHEMICAL CO.

Full Product Name

ALL PURPOSE SPRAY ADHESIVE 101

**SALES REPORTING OPTIONS**

Option 1: Total CA Sales in Pounds

Option 2: Product Size Distribution Table

	Size	CA Units Sold
#1	12	4,000
#2		
#3		
#4		
#5		
#6		

Size Units

Wt. Oz.

Fluid Oz.

(if fluid Oz, list one below)

Density, lb/Gal

Density, g/ml

Specific Gravity

**PRODUCT CATEGORY**

**Type of Spray:**

Lace

Particle

**Type of Application:**

Mounting

High Performance

Other, please list

Repositionable

General Purpose

**Substrate** (Check all that applies):

Ceramic

High Pressure Laminate

Styrofoam®

Expanded Polystyrene Foam

Leather

Vinyl

Fabric

Metal

Wood

Fiberglass

Paper

Other, please list

Glass

Rubber

**PRODUCT INGREDIENTS**

Do you have all of the ingredient information for this product (Yes or No)?

NO

If YES complete Form IV-A: Product Ingredients entirely, Or if the product was reported in the ARB's "1997 Consumer and Commercial Products Survey," dated February 28, 1998, please submit copies of product formulation data and complete the LVP-VOC section on Form IV-A,

If NO, send Form IV-B: Product Ingredients to your formulator.

FOR ARB USE ONLY:

Company File Number

Product Number



Confidential

**AIR RESOURCES BOARD  
1998 AEROSOL ADHESIVES SURVEY**

**SAMPLE**

Form

**IV-B**

(Yes or No)

**YES****PRODUCT INGREDIENTS** Sheet # 1 of 10**RESPONSIBLE PARTY AND PRODUCT NAME**

Responsible Party Name

THE STICKY GLUE CO.

Full Product Name

ALL PURPOSE SPRAY ADHESIVES 101

**FORMULATOR COMPANY DATA**

Formulator Company Name/Address

FOUR SEASONS CHEMICAL CO.

1999 SOUTH SUBMITTAL LANE  
LOS ANGELES, CA 91340

Contact Person

ALBERT E. SEASONS

Phone/Fax  
Numbers

(818) 987-6543

(818) 987-6000

E-mail  
Address

aseasons@seasonschem.com

**INGREDIENT INFORMATION****VOC SPECIATION TABLE**

	Ingredient Name	CAS #	Wt. %
#1	DIMETHYL ETHER	115106	20.5
#2	PROPANE	74986	10.6
#3	ISOBUTANE	75285	24.9
#4			
#5			
#6			
#7			
#8			
#9			
#10			
	Total VOC ingredients each less than 0.1% by wt. of the product		0.0

**EXEMPT AND INORGANIC COMPOUNDS**

	Wt. %
Methyl Acetate	
Parachlorobenzotrifluoride	
Methylene Chloride	
1,1,1-Trichloroethane	
Volatile Methyl siloxanes	
Acetone	15.5
Carbon Dioxide	
HFC-152a	
Water	
Perchloroethylene	
All Other Exempt Compds	
All Other Inorganic Compds	

**(A) Total VOC Content** 56**(B) Total Exempt/Inorganic** 15.5**LVP-VOC SOLVENT SPECIATION TABLE**

	Ingredient Name	Trade Name	CAS #	Wt. %
#1	SPECIALTY ALKYLATE 7050	SPECIALTY ALKYLATE 7050	94094-93-6	5.0
#2	VISTA 47 SOLVENT	VISTA 47 SOLVENT	64742-47-8	5.1
#3				
#4				
#5				
#6				
#7				
	Total LVP-VOC Solvents each less than 0.1% by wt. of the product			0.0

**(C) Total LVP-VOC Solvents** 10.1**(D) Total Other LVP-VOC Content** 18.4**Total of A, B, C and D (MUST EQUAL 100 %)** 100**FOR ARB USE ONLY:**

Company File Number

Product Number

Confidential  
(Yes or No)

YES

AIR RESOURCES BOARD  
1998 AEROSOL ADHESIVES SURVEY

SAMPLE

Form  
**R&D**  
Part 1

RESEARCH OVERVIEW

Sheet # \_\_\_ of \_\_\_

COMPANY NAME

THE STICKY GLUE CO.

**Research and Development Efforts Update**

Please provide an overview of your research and development efforts, successes and failures, undertaken to achieve **VOC levels less than 75 percent by weight**. Your description should include the raw materials (solvents, propellants, resins, and polymers) and hardware (valves, actuators, cans) tested, the testing protocols used, and the results of the testing.

***[Note: This is an example. The "..." placeholders represent areas where further explanation is expected.]***

We have been researching the following technologies: (1) water-based technology, and (2) substituting VOC solvents with acetone and HFC-152a.

(1) Water-based technology:

The major ingredients are: water, XX1 propellants, YY1 polymers, ZZ1 resins and antioxidants. All materials are readily available either inhouse or through our supplier. These formulations require special processing which is beyond our capability at this time.

We have conducted comparison tests to match product attributes with our existing general purpose spray adhesives. We evaluated such parameters as: flammability, adhesion strength on various substrates, dry time, spray patterns, ...We did not use standard test methods. Descriptions of laboratory/field testing performed are attached.

There is potential with this technology. We expect to reformulate products down to 5%. However, drawbacks include slower dry time, poor performance on paper, ... Despite the drawbacks, this technology is promising and we will continue with our research (OR, The potential for this technology is limited due to the following factors...

(2) Reformulating with acetone

.....

(3) Reformulating with HFC-152a

.....

FOR ARB USE ONLY:

Company File Number

Product Number

**AIR RESOURCES BOARD  
1998 AEROSOL ADHESIVES SURVEY**

**SAMPLE**

Form  
**R&D  
Part 2**

Confidential  
(Yes or No)

**YES**

**RESEARCH AND DEVELOPMENT RESULTS**

**COMPANY NAME**

THE STICKY GLUE CO.

**Research and Development Results**

Please indicate by checking the appropriate boxes which technologies you have tested:

Technology	Tested	Not Tested
Water-based	X	
Acetone	X	
Parachlorobenzotrifluoride		X
Methyl Acetate		X
Volatile Methyl Siloxanes		X
Other Exempt Solvents Tested, please list:		
HFC-152a Propellant	X	
Carbon Dioxide Propellant		X
Other Propellants Tested, please list:		
Increasing Solids Content		X
Low Solvent Resin Technology		X
Hardware		X
Other Tested, please list:		

Please fill out **Form R&D\_Part 3** for technologies that you have tested. For technologies not tested, please indicate on **Form R&D\_Part 4** the reasons you have not explored these technologies. If the reason is economic, please include your estimate of the incremental cost of manufacturing using this technology.

**FOR ARB USE ONLY:**

Company File Number

Product Number

**AIR RESOURCES BOARD  
1998 AEROSOL ADHESIVES SURVEY**

**SAMPLE**

Form  
**R&D  
Part 3**

Confidential  
(Yes or No)

**YES**

**TECHNOLOGY TESTED**

Sheet # 1 of 3

**COMPANY NAME**

THE STICKY GLUE CO.

**Technology Description:**

Water-based with XX1 Propellants, YY1 polymers, ZZ1 resins, and antioxidants.

**[Note: This is an example. R&D Part 3 sheets should also be filled out for acetone and HFC-152a. The "... " placeholders represent areas where further detail is expected.]**

**Type of Application:**

Mounting

High Performance

Other, please list

Repositionable

General Purpose

\_\_\_\_\_

**Substrate (Check all that applies):**

Ceramic

High Pressure Laminate

Leather

Styrofoam®

Expanded Polystyrene Foam

Metal

Vinyl

Fabric

Paper

Wood

Fiberglass

Rubber

Other, please list

Glass

\_\_\_\_\_

**Technological Advantages or Shortfalls:**

Avantages include lower VOC, ...

Shortfalls include freeze/thaw instability, slow drying time, ...

**Potential VOC Level (alone or in combination), please specify any stipulations and timeframe:**

Potential VOC level of 20 wt. % without any restrictions. At 5 wt.% VOC, expect unacceptable drying time and poor performance on paper type products. We expect to have products at 20 wt. % by January 2002.

**Incremental Cost of Manufacturing:**

About \$2/lb for products at 20 wt. % VOC.

**FOR ARB USE ONLY:**

Company File Number

Product Number

AIR RESOURCES BOARD  
1998 AEROSOL ADHESIVES SURVEY

SAMPLE

Form  
**R&D**  
Part 4

Confidential

(Yes or No)

YES

TECHNOLOGY NOT TESTED Sheet # 1 of 1

COMPANY NAME

THE STICKY GLUE CO.

**Technology Not Tested:**

Parachlorobenzotrifluoride: Incompatible with current resins used, ...

*[Note: This is an example. For each untested technology, please provide the reasons why the technology was not considered. The "..." placeholders represent areas where further detail is expected.]*

**Technology Not Tested:**

Carbon Dioxide Propellant: Difficult to maintain constant pressure in can, ...

**Technology Not Tested:**

Increasing Solids Content: ...

Low Solvent Resin Technology: ...

FOR ARB USE ONLY:

Company File Number

Product Number

CONFIDENTIAL INFORMATION SUBMITTAL FORM

If you wish to designate any information contained in your survey data as CONFIDENTIAL INFORMATION, please provide the data requested below and return it with your completed survey form.

In accordance with Title 17, California Code of Regulations (CCR), Section 91000 to 91022, and the California Public Records Act (Government Code Section 6250 et seq.), the information that a company provides to the Air Resources Board (ARB) may be released (1) to the public upon request, except trade secrets which are not emissions data or other information which is exempt from disclosure or the disclosure of which is prohibited by law, and (2) to the Federal Environmental Protection Agency (EPA), which protects trade secrets as provided in Section 114(c) of the Clean Air Act and amendments thereto (42 USC 7401 et seq.) and in federal regulation, and (3) to other public agencies provided that those agencies preserve the protections afforded information which is identified as a trade secret, or otherwise exempt from disclosure by law (Section 39660(e)).

Trade secrets as defined in Government Code Section 6254.7 are not public records and therefore will not be released to the public. However, the California Public Records Act provides that air pollution emission data are always public records, even if the data comes within the definition of trade secrets. On the other hand, the information used to calculate information is a trade secret.

If any company believes that any of the information it may provide is a trade secret or otherwise exempt from disclosure under any other provision of law, it must identify the confidential information as such at the time of submission to the ARB and must provide the name address, and telephone number of the individual to be consulted, if the ARB receives a request for disclosure or seeks to disclose the data claimed to be confidential. The ARB may ask the company to provide documentation of its claim of trade secret or exemption at a later date. Data identified as confidential will not be disclosed unless the ARB determines, in accordance with the above referenced regulations, that the data do not qualify for a legal exemption from disclosure. The regulations establish substantial safeguards before any such disclosure.

In accordance with the provisions of Title 17, California Code of Regulations, Section 91000 to 91022, and the California Public Records Act (Government Code Sections 6250 et seq.),

Company Name: The Sticky Glue Co. declares that all the information submitted in response to the California Air Resources Board's information request on the 1997 LVP-VOC Survey for Consumer and Commercial Products is confidential "trade secret" information, and request that it be protected as such from public disclosure. All inquiries pertaining to the confidentiality of this information should be directed to the following person:

Date: April 15, 1999

Mailing Address:

Joe Smith

(Signature)

The Sticky Glue Co.

Joe Smith

(Printed Name)

Aerosol Division

Senior Specialist, Regulatory Affairs

(Title)

1998 AA Survey Street

(818) 123-4567

(Telephone Number)

Los Angeles, CA 91342

**Part III**  
**Attachments for Completing the**  
**Survey**

# ATTACHMENT A

## COMMON SIC CODES FOR CONSUMER AND COMMERCIAL PRODUCTS

---

### I. **Manufacturers:**

<u>Code*</u>	<u>Description</u>	<u>Examples</u>
2079	Edible Fats and Oils, Nec	Aerosol Nonstick Pan Sprays
2834	Pharmaceutical Preparations	Prescription and OTC Drugs
<b>2841</b>	Soap and Other Detergents	Laundry Detergent
<b>2842</b>	Specialty Cleaning, Polishing & Sanitation Preparations	Floor Wax, Disinfectant, Degreasers
<b>2844</b>	Perfumes, Cosmetics & Other Toilet Preps.	Hairspray, Deodorant, Toothpaste
<b>2851</b>	Paints and Allied Products	Paint Thinner, Paint Remover, Putty
<b>2879</b>	Pesticides and Agricultural Chemicals, Nec	Household Insecticides & Herbicides
<b>2891</b>	Adhesives and Sealants	Caulking
<b>2899</b>	Chemical Preparations, Nec	Antifreeze
<b>2992</b>	Lubricating Oils and Greases	Lubricants

\* All codes under “Manufacturing.” Bolded codes expected to apply to most products.

### II. **Wholesalers:**

<u>Code**</u>	<u>Description</u>	<u>Examples</u>
5112	Stationary and Office Supplies	Photocopy Supplies, Pens
<b>5122</b>	Drugs, Drug Proprieties, Sundries	Hairspray, Perfume, Antiseptics
5149	Groceries, and Related Products, Nec	Aerosol Whipped Cream
<b>5169</b>	Chemicals and Allied Products, Nec	Laundry Soap, Polishes, Turpentine
<b>5198</b>	Paints, Varnishes, and Supplies	Shellac, Varnish, Enamel
<b>5199</b>	Nondurable Goods, Nec	Artists’ Materials

\*\* All codes under “Wholesale Trade.” Bolded codes expected to apply to most products.

### III **Retailers:**

<u>Code***</u>	<u>Description</u>	<u>Examples</u>
<b>5231</b>	Paint, Glass and Wallpaper Stores	Paint Thinner, Paint Remover
<b>5251</b>	Hardware Stores	Adhesives, Caulking Compounds
<b>5261</b>	Retail Nurseries, Lawn and Garden Supply	Herbicides, Insecticides

## ATTACHMENT A

### COMMON SIC CODES FOR CONSUMER AND COMMERCIAL PRODUCTS

---

#### III Retailers (Cont'd):

<u>Code</u> ***	<u>Description</u>	<u>Examples</u>
5311	Department Stores	Various Personal Care Products
5331	Variety Stores	Numerous
<b>5399</b>	Miscellaneous General Merchandise Stores	Numerous
<b>5411</b>	Grocery Stores	Numerous
<b>5511</b>	Motor Vehicle Dealers (new and used)	Windshield Washer Fluids
5531	Auto and Home Supply Stores	Multipurpose Lubricants
5541	Gasoline Service Stations	Lubricants
5941	Sporting Goods Stores and Bicycle Shops	Lubricants
5961	Catalog and Mail-Order Houses	Numerous
5963	Direct Selling Establishments	Numerous
5999	Miscellaneous Retail Stores, nec	Numerous

\*\*\* All codes under "Retail Trade." Bolded codes expected to apply to most products.

## ATTACHMENT B

### UNITED STATES RESIDENT POPULATION IN THE THOUSANDS, JULY 1, 1996

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United States Total = 265,284

<b>State</b>	<b>Thousands</b>	<b>State</b>	<b>Thousands</b>
Alabama	4,273	Montana	879
Alaska	607	Nebraska	1,652
Arizona	4,428	Nevada	1,603
Arkansas	2,510	New Hampshire	1,162
California	31,878	New Jersey	7,988
Colorado	3,823	New Mexico	1,714
Connecticut	3,274	New York	18,185
Delaware	725	North Carolina	7,323
District of Columbia	543	North Dakota	644
Florida	14,400	Ohio	11,173
Georgia	7,353	Oklahoma	3,301
Hawaii	1,184	Oregon	3,204
Idaho	1,189	Pennsylvania	12,056
Illinois	11,847	Rhode Island	990
Indiana	5,841	South Carolina	3,699
Iowa	2,852	South Dakota	733
Kansas	2,572	Tennessee	5,320
Kentucky	3,884	Texas	19,125
Louisiana	4,351	Utah	2,001
Maine	1,243	Vermont	589
Maryland	5,072	Virginia	6,675
Massachusetts	6,092	Washington	5,533
Michigan	9,594	West Virginia	1,826
Minnesota	4,658	Wisconsin	5,160
Mississippi	2,716	Wyoming	481
Missouri	5,359		

Source: United States Department of Commerce. Bureau of Census.

**ATTACHMENT C****CHEMICAL NAMES and CHEMICAL ABSTRACT SERVICE (CAS) NUMBERS**

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The following list of compounds and their associated CAS numbers was compiled from the U.S. EPA Survey of consumer Products database. The U.S. EPA Survey database had a field for the VOC's in each product, and a field for their associated CAS numbers. These fields were compiled into a separate database, sorted, corrected, and duplicated items were removed. All synonyms (different name, same CAS number) that were not redundant were retained.

The list is by no means all inclusive, but provides a useful reference when the CAS number for a product ingredient cannot be found. We encourage individuals responding to the survey to use their products ingredient's listed CAS numbers when they are available. This is especially important when listing the hydrocarbons, because many ingredients may have the same name but different CAS numbers. For example, kerosene, mineral spirits, naphtha, petroleum distillate and others may each have several different CAS numbers, reflecting differences in product grade.

## CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
(MCPP) Dimethylamine salt	32351705
1-(2-Butoxyethoxy)-2-Propanol	124163
1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxy-butane (C4F9OCH3)	163702076
1,1,1,2,3,3-Hexafluoropropane (HFC-236ea)	431630
1,1,1,2,3,4,4,5,5,5-Decafluoropentane (HFC 43-10mee)	138495428
1,1,1,2,3-Pentafluoropropane (HFC-245eb)	431312
1,1,1,2-Tetrafluoroethane (HFC-134a)	811972
1,1,1,3,3,3-Hexafluoropropane (HFC-236fa)	690391
1,1,1,3,3-Pentafluorobutane (HFC-365mfc)	406586
1,1,1,3,3-Pentafluoropropane (HFC-245fa)	460731
1,1,1-oxybisethane (See Diethyl ether)	60297
1,1,1-trichloroethane	79016
1,1,1-Trichloroethane (Methyl chloroform; 1,1,1-TCA, Aerothene TT)	71556
1,1,1-Trifluoro-2,2-dichloroethane (HCFC-123)	306832
1,1,1-Trifluoroethane (HFC-143a)	420462
1,1,2,3-Pentafluoropropane (HFC-245ca)	679867
1,1,2,2-Tetrachloroethylene (See Perchloroethylene)	127184
1,1,2,2-Tetrafluoroethane (HFC-134)	359353
1,1,2,3,3-Pentafluoropropane (HFC-245ea)	24270664
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC-113)	76131
1,1,2-Trichloroethylene (See Trichloroethylene, TCE)	79016
1,1,3,3-Tetramethylcyclohexane	24770647
1,1-dichloro-1-fluoroethane (HCFC-141b)	25167888
1,1-Difluoroethane (HFC-152a)	75376
1,1-Methylene-bis-4-Isocyanobenzene	101688
1,2,3-PROPANETRIOL (Glycerin)	56815
1,2,3-Trimethylbenzene	526738
1,2,4-Trimethylbenzene (pseudo-Cumene)	95636
1,2,4-Trimethylcyclohexane	2234755
1,2-Butylene Oxide (Ethyl oxirane)	106887
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC-114)	76142
1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)	354234
1,2-Epoxy-3-butoxypropane (See Butyl glycidyl ether)	2426086
1,2-Ethanediol (See Ethylene Glycol)	107211
1,2-Propanediol (See Propylene Glycol)	57556
1,3,5-Trimethylbenzene (Mesitylene)	108678
1,3-Butylene Glycol	107880
1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)	507551
1,3-Dimethyl-5-ethylbenzene	934747
1,4-Benzenediol (See Hydroquinone)	123319
1,4-bis-bromoacetoxyl-2-butene	20679587
1,4-Butanediol diglycidyl ether (1,4-Diglycidyl ether)	2425798
1,4-Dichlorobenzene (p-Dichlorobenzene)	106467
1,4-Diglycidyl ether (See 1,4-Butanediol diglycidyl ether)	2425798
1,4-Dioxane	123911
1,6-Diisocyanohexane	822061
12-Hydroxy Octadecanoic Acid	3159624
12-Hydroxy Octadecanoic Acid Methyl Ester	141131
12-Hydroxy Octadecanoic Acid Monolithium Salt	7620771
1-Acetoxy-2-butoxyethane (2-Butoxyethyl acetate)	11272
1-Amino-2-Propanol	78966
1-Butanol (Butanol; n-Butanol; Butyl alcohol)	71363
1-Butoxy-2-propanol (See Propylene Glycol Monobutyl Ether)	5131668
1-Chloro-1,1-difluoroethane (HCFC-142b)	75683
1-Chloro-1-fluoroethane (HCFC-151a)	1615754
1-Chloro-4-trifluoromethyl benzene (See Parachlorobenzotrifluoride) (PCBTF)	98566
1-Ethoxy-1,1,2,2,3,3,4,4,4-nonfluorobutane (C4F9OC2H5)	163702054
1-Ethyl-2-methylbenzene (o-Ethyltoluene)	611143
1-Ethyl-3-methylbenzene (See 1-Methyl-3-ethylbenzene) (m-Ethyltoluene)	620144

1-Ethyl-4-methylbenzene (p-Ethyltoluene)	622968
1-Methoxy-2-Propanol (See Propylene Glycol Monomethyl Ether)	107982
1-Methoxy-2-Propanol Acetate (See Propylene Glycol Monomethyl Ether Acetate)	108656
1-Methoxy-2-Propyl acetate (See Propylene Glycol Monomethyl Ether Acetate)	108656
1-METHYL - 4 -(1-METHYLETHENYL) CYCLOHEXENE	59892725
1-Methyl-1-Phenylethyl Hydroperoxide	80159
1-Methyl-2-propylcyclohexane	4291796
1-Methyl-2-pyrrolidinone (N-Methyl-2-Pyrrolidone)	872504
1-Methyl-2-Pyrrolidone (See 1-Methyl-2-Pyrrolidinone)	872504
1-Methyl-3-ethylbenzene (m-Ethyltoluene; 1-Ethyl-3-methylbenzene)	620144
1-Methyl-4-isopropylcyclohexane (p-Menthane)	99821
1-Naphthyl-n-methylcarb-amate (See Carbaryl)	63252
1-Nitropropane	108032
1-Octadecanol	112925
1-Pentanol	71410
1-Phenyl methanol (See Benzyl Alcohol) (alpha-Hydroxytoluene)	100516
1-Propanamine, 3-(Triethoxysilyl)- (See 3-Aminopropyltriethoxysilane)	919302
1-Propanol (n-Propanol, n-Propyl alcohol)	71238
2-(2-Butoxyethoxy)ethanol (See Diethylene Glycol Monobutyl Ether)	112345
2-(2-Ethoxyethoxy) ethanol (See Diethylene Glycol Monoethyl Ether)	111900
2-(2-methyl-4-chlorophenoxy)-propionic acid	93652
2-(3H)-Furanone, Dihydro (See Butyrolactone (gamma))	96480
2-(Difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane ( (CF3)2CF2OCH3)	163702087
2-(Ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane ( (CF3)2CF2OC2H5)	163702065
2-(Methylethoxy)Phenol Methylcarbamate	114261
2-(Tert-butylamino)-4-Chloro-6-Ethylamino-s-triazi	5915413
2,2,4 TMO (See 2,2,4-Trimethylhexamethylenediamine)	3236531
2,2,4-Trimethyl-1,3-Monoisobutyrate (See Texanol)	25265774
2,2,4-Trimethyl-1,3-pentanediol	144194
2,2,4-Trimethyl-1,3-pentanediol di-isobutyrate (See Texanol iso-butyrate)	6846500
2,2,4-Trimethyl-1,3-pentanediol-isobutyrate (See Texanol)	25265774
2,2,4-Trimethylhexamethylenediamine (2,2,4-TMO)	3236531
2,2-dichloro-1,1-difluoroethyl methyl ether	76380
2,4 Dichlorophenoxy acetic acid dimethylamine salt (2,4-D dimethylamine salt)	2008391
2,4-D dimethylamine salt (See 2,4 Dichlorophenoxy acetic acid dimethylamine salt )	2008391
2,4-Dichlorophenoxy acetic acid (2,4-D)	94757
2,4-Diisocyanato-1-methylbenzene	584849
2,5-Pyrrolidinedione	123568
2,6-Dimethylnonane	17302282
2251 Oil (or 2263 Oil @ 64742-47-8)	64742149
2-Aminoethanol (See Ethanolamine)	141435
2-Bromo-2-chloro-1,1,1-trifluoroethane (Halothane)	151677
2-Butanol (Butyl alcohol; sec-Butanol)	78922
2-Butanone (See Methyl Ethyl Ketone, MEK)	78933
2-Butenedioic Acid	110167
2-Butoxyethanol (See Ethylene Glycol Monobutyl Ether)	111762
2-Butoxyethyl Acetate (See Ethylene Glycol Monobutyl Ether Acetate)	112072
2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)	2837890
2-Cyano-2-Propenoic acid ethyl ester (See 2-Cyanoethyl acrylate)	7085850
2-Cyanoethyl acrylate (Ethyl cyanoacrylate)	7085850
2-Ethanolhexanol distillates	68609687
2-Ethoxyethanol (See Ethylene Glycol Monoethyl Ether)	110805
2-Ethoxyethyl Acetate (See Ethylene Glycol Monoethyl Ether Acetate)	111159
2-Ethyl Oxy-Bis-Hexanoic Acid (See Tetraethylene glycol)	18268707
2-Ethyl-3 Ethanoxypropionate (See Ethyl-3-ethoxypropionate)	763699
2-Ethylhexyl Nitrate	27248967
2-Ethylhexyl stearate	22047490
2-Heptanone	110430
2-Methoxy-1-Propanol	1589475
2-Methoxy-1-Propanol Acetate	70657704
2-Methoxyethyl Acetate (See Ethylene Glycol Monoethyl Ether Acetate)	110496
2-Methoxymethylethoxy Propanol	34590948
2-Methyl decane	6975980

2-Methyl heptane	592278
2-Methyl hexane	591764
2-Methyl nonane	871830
2-Methyl Propane (Isobutane)	75285
2-Methyl-1-Propanol (See Isobutanol)	78831
2-Methyl-2,4-Pentanediol (See Hexylene Glycol)	107415
2-METHYL-2-PROPENOIC ACID MONOESTER	27813021
2-Methyl-4-isothiazoline-3-one	2682204
2-MethylNaphthalene	91576
2-Methylpentane	107835
2-Nitropropane	79469
2-Pentanone (Methyl Propyl Ketone)	107879
2-Phenylhydrazide Acetic Acid	114830
2-Propanol (Isopropanol)	67630
2-propanol, 1-[2-(2-methoxy-1-methylethoxy)-1-m... (See Tripropylene glycol methyl ether)	20324338
2-Propanol-1-Butoxy (See Propylene Glycol Monobutyl Ether)	5131668
2-Propanone (See Acetone)	67641
2-Propenoic Acid (See Acrylic Acid)	79107
2-Propoxyethanol (Ektasolve)	2807309
3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)	422560
3,6-Dichloro-o-anisic acid (Benzoic acid, 3,6 dichloro-2-methoxy)	1918009
3-4 Dimethyl- 2,6 Dinitribenzenamine	40487421
3-Aminopropyltriethoxysilane (Gamma-Aminopropyltriethoxysilane)	919302
3-Ethoxy Propanoic Acid Ethyl Ester (See Ethyl-3-ethoxypropionate)	763699
3-Methyl decane	13151343
3-Methyl hexane	589344
3-METHYLMETHOXYBUTANOL	56539663
3-methylpentane	96140
4,6-Dichloro-2-trichloromethylpyridine	1129197
4-Hydroxy-4-Methyl-2-Pentanone (See Diacetone Alcohol)	123422
4-Isopropenyl 1-Methylcyclohexane (See D-Limonene)	5989275
4-Methyl decane	2847725
4-Methyl heptane	589537
4-Methyl nonane	17301949
4-Methyl-2-Pentanol (See Methyl Amyl Alcohol)	108112
4-Methyl-2-Pentanone (See Methyl Isobutyl Ketone)	108101
5-Bromo-3-Sec-Butyl Methyluracil	314409
5-chloro-2-Methyl-4-isothiazolin-3-one	26172554
5-chloro-2-methyl-4-isothiazoline-3-one	26172554
5-Methyl decane	13151354
99.5% Monochlorotoluene (See Chlorotoluene (ortho))	95498
9-Octadecenoic Acid (Z) Ammonium Salts	544605
a,a,a-Trifluoro-s,6-dinitro-n,n-dipropyl-p-toluide (See Trifluralin)	1582098
A-70 Hydrocarbon Propellant	68476857
Acenaphthane	82329
Acetamide, N, N'-(ethenylmethyl-silylene)Bis-N-Me	50791872
Acetic Acid	64197
Acetic Acid Ethyl Ester (See Ethyl Acetate)	141786
Acetic Acid, Butyl Ester (See Butyl Acetate)	123864
Acetone (2-Propanone; Dimethyl ketone)	67641
Acetophenone	98862
Acrolein	107028
Acrylic Acid (2-Propenoic Acid)	79107
Aerothene TT (See 1,1,1-Trichloroethane)	71556
Alcohol Ethoxylate	68439509
ALIPHATIC DISTILLATE	64741737
Aliphatic Hydrocarbon	64742967
Aliphatic Hydrocarbon	64771728
ALIPHATIC HYDROCARBON	64741657
ALIPHATIC HYDROCARBON	64742898
Aliphatic Hydrocarbon (Stoddard Type) (See Stoddard solvent)	8052413
Aliphatic Petroleum Distillate	64742887
Aliphatic Petroleum Distillate	64742967

Aliphatic petroleum distillates	64741657
Aliphatic petroleum distillates	68334305
Aliphatic petroleum distillates, kerosene (See Kerosene)	8008206
Aliphatic Petroleum Hydrocarbon	64741442
Alkali Surfactant	61790123
Alkali Surfactant NM	64972196
Alkyl Acetate	90438792
Alkyl Dimethyl Benzyl Ammonium Chloride	68391015
Alkyl Dimethyl Benzyl Ammonium Chloride	68391015
Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	68956790
Alkyl dimethylbenzylammonium chloride	68391015
Alkyl dimethylbenzylammonium chloride	68391015
Alkyl Glycidyl Ether	68609972
Alkyl Olefin Sulfonate	68439576
Alkyl Olefin Sulfonate	68439576
Alkyl Olefin Sulfonate, Sodium Salt	68439576
Alkylaryl Sulfonate	26264051
Alkylaryl Sulfonate Isopropylamine Salt	26264051
Alkylation Naphtha, heavy	64741657
Alkylphenol Ethanol (See Nonylphenol, ethoxylated)	9016459
Alkylphenol Ethoxylate (See Nonylphenol, ethoxylated)	9016459
Alpha terpineol (Terpineol (alpha))	98555
alpha-Hydroxytoluene (See Benzyl Alcohol)	100516
Amino Methyl Propanediol	115695
Aminomethyl Propanol	124685
Ammonium Lactate (Propanoic acid, 2-hydroxy-monoammonium salt)	515980
Ammonium Lauryl Sulfate	2235543
Ammonium Thioglycolate (Thioglycolate, ammonium salt)	5421465
Amyl Acetate	628637
Arcosolv pm (See Propylene Glycol Monomethyl Ether)	107982
Armak 1194	61791262
Aromatic 150	25551137
Aromatic 200 Solvent	68477316
Aromatic Hydrocarbon Solvent	64741680
Aromatic Petroleum Distillate	64741986
Aromatic Petroleum Distillates	64742907
AROMATIC SOLVENT	68477316
Aromatic solvent, heavy aromatic naphtha	64742945
Asphalt	8052424
Atrazine - Tech	1912249
ATROSOL 504 (See citrus acid?)	77929
Bardac 208M Lonza	68424955
Bardac MB-50]	139082
Barrium Sulfinat	61790485
Base Oil	8030309
Benefin	1861401
Benomyl	17804352
Bensulide	741562
Benzaldehyde	100527
Benzalkonium chloride	8001545
Benzocaine (Ethyl p-aminobenzoate)	94097
Benzoic acid, 3,6 dichloro-2-methoxy (See 3,6-Dichloro-o-anisic acid)	1918009
Benzotriazole	95147
Benzyl Acetate	140114
Benzyl Alcohol (1-Phenyl methanol; alpha-Hydroxytoluene)	100516
benzyl ammonium chloride	68424851
Benzylkonium Chloride (w/ 20% ethanol)	68424851
Betaine	64789400
Betaine	61789400
Bismuth Octoate	67874719
Boiled Linseed Oil (See Linseed Oil)	8001261
BTC-2125M 80% Stephan Company	68391015
BTC-8249 Stephan Company	68391015

Butane (n)	106978
Butane, branched and linear	68513655
Butanediol diglycidyl ether (See 1,4-Butanediol diglycidyl ether)	2425798
Butanol (See 2-Butanol)	78922
Butoxyethanol (See Ethylene Glycol Monobutyl Ether)	111762
ButoxyPropanol	57018527
Buturol (See 1-Butanol) (Butyl alcohol)	71363
Butyl acetate	540885
Butyl Acetate (n-Butyl Acetate)	123864
Butyl Alcohol (See 2-Butanol)	78922
Butyl Carbitol (See Diethylene Glycol Monobutyl Ether)	112345
Butyl Cellosolve (See Ethylene Glycol Monobutyl Ether)	111762
Butyl Cellosolve Acetate (See Ethylene Glycol Monobutyl Ether Acetate)	112072
Butyl glycidyl ether (1,2-Epoxy-3-butoxypropane)	2426086
Butylene Glycol (See 1,3-Butylene Glycol)	107880
Butyrolactone (gamma)	96480
C10-15 Saturated Hydrocarbon	64742478
C10-C11 PARAFFINS CYCLO-PARAFFINS	64741657
C11-12 Isoparaffin	68551177
C11-13 ISOPARAFFIN	64742489
C11-13 Isoparaffin Solvent	68551177
C12 Alpha Olefin	25378227
C12-C15 Ethoxylated Alcohol	68131395
C3-C4 Alkane Propellant	68475592
C3-C4 Propellant	68475592
C4F9OC2H5 (1-Ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane)	163702054
C4F9OCH3 (1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxy-butane)	163702076
c6-oxo Alcohol Acetate	88230357
C-8/C-10 Alcohol	68603156
C9-11 ISOPARAFFIN	68551166
C9-C12 Alkylbenzenes	68515253
C9-C12 Saturated Hydrocarbons	64741657
Camphor	76222
Camphor	464493
Camphor	21368683
Camphor oil	8008513
Camphor yellow (See Camphor oil)	8008513
Caprolactam (2H-Azepin-2-one, hexahydro)	105602
Captan	133062
Captan, Technical (See Captan)	133062
Carbamide	57136
Carbaryl	63252
Carbital DE (See Diethylene Glycol Monoethyl Ether)	111900
Carbitol (See Diethylene Glycol Monoethyl Ether)	111900
Carbon Dioxide	124389
Carbon tetrachloride	56235
Carsamide CA	61789193
Castor Oil	8001794
Cellosolve (See Ethylene Glycol Monoethyl Ether) (EGEE)	110805
Cellosolve Acetate (See Ethylene Glycol Monoethyl Ether Acetate)	111159
Cellosolve Solvent (See Ethylene Glycol Monoethyl Ether)	110805
CFC-11 (See Trichlorofluoromethane)	75694
CFC-113 (See 1,1,2-Trichloro-1,2,2-trifluoroethane)	76131
CFC-114 (See 1,2-Dichloro-1,1,2,2,-tetrafluoroethane)	76142
CFC-115 (See Chloropentafluoroethane)	76153
CFC-12 (See Dichlorodifluoromethane)	75434
Chlorobenzene (Monochlorobenzene)	108907
Chlorodifluoromethane (HCFC-22)	75456
Chlorofluoromethane (HCFC-31)	593704
Chloroform	67663
Chloropentafluoroethane (CFC-115)	76153
Chloropicrin (Trichloronitromethane)	76062
Chlorotoluene (Monochlorotoluene)	25168052

Chlorotoluene (ortho)	95498
Chlorpyrifos	291882
Chlorpyrifos (Dursban)	2921882
Chlorpyrifos-methyl	5598130
Cis-1,3-Dichloropropene	10061015
cis-1,3-Dimethylcyclohexane	63840
cis-Decalin	49316
Citrus Distillate (See Citrus Terpene)	65995987
Citrus Terpene	65995987
Clopyralid Monoethanolamine salt	57754855
Clove Oil	8000348
Cocamidopropyl Amino Betane	61789400
Coco Diethanolamide	67785131
Coco Diethanolamide	67785131
Coco Diethanolamide-sulfonate	67785119
Cocoamidopropyl Amine Oxide 35%	68155099
Cocoamidopropyl Betaine	70851079
Coconut Diethanolamine	68603429
COCONUT DIETHANOLAMINE	68603429
Copper Naphthenate	1338029
Corvus Oil 00519-13	64742558
Cottonseed Oil (Gossypium Hirsutum)	8001294
Cresol (Cresylic acid; Cresols, mixed)	1319773
Cresol (meta)	108394
Cresol 174 (See Cresol)	1319773
Cresols, mixed (See Cresol)	1319773
Cresylic acid (See Cresol)	1319773
Crude Citrus Limonene (See D-Limonene)	5989275
Cyclohexane	110827
Cyclohexanol	108930
Cyclohexanone	108941
Cyclomethicone (DC 244)	69430246
Cyclomethicone (DC245/345)	69430246
CYCLOMETHICONE TETRAMER	69430246
Cythion Insecticide Concentrate (See Malathion)	121755
Damar gum	9000162
DDVP	620737
Decahydronaphthalene (See Decalin)	91178
Decalin (Decahydronaphthalene)	91178
Decamethylcyclopentasiloxane	541026
DEET (See N,N-Diethyl-M-Toluamide)	134623
DEG Methyl Ether (See Diethylene Glycol Monomethyl Ether)	111773
Deodorized Kerosene	64742967
Deodorized Kerosene (See Kerosene)	8008206
DETA (See Diethylenetriamine)	111400
Dexpanthenol	81130
Di(2-Ethylhexyl Phthalate)	117817
Di[2-ethylhexanoate] (See Tetraethylene glycol)	18268707
Diacetone Alcohol (4-Hydroxy-4-Methyl-2-Pentanone)	123422
Dialkyl methyl benzylammonium chloride	73049759
Diazinon	333415
Diazinon MG-8 (See Diazinon)	333415
Dibutyl Phthalate	84742
Dicetyl Diammonium	1812539
Dichlorobenzene (ortho)	95501
Dichlorodifluoromethane	75718
Dichlorodifluoromethane (CFC-12)	75434
Dichloromethane (See Methylene chloride)	75092
Dichlorvos	62737
Diecyl Dimethyl Ammonium Chloride	7173515
Diesel Fuel	68476346
Diesel Fuel #2	64742442
Diesel Fuel #2	68476346

Diethanolamine	111422
Diethyl Ether	60297
Diethylamine Salt of 2,4-dichlorophenoxy acetic acid (See 2,4-Dichlorophenoxy acetic acid dimethylamine salt )	2008391
Diethylamine salt of 2,4-Dichlorophenoxyacetic acid (See 2,4-Dichlorophenoxyacetic acid)	94757
Diethylaminoethanol	100378
Diethylene Glycol	111466
Diethylene glycol butyl ether	112345
Diethylene Glycol Butyl Ethers	111981
Diethylene Glycol Diethyl Ether (DEGDDEE)	112367
Diethylene Glycol Dimethyl Ether (DEGDME)	111966
Diethylene Glycol Ethyl Ether (See Diethylene Glycol Monoethyl Ether)	111900
Diethylene glycol methyl ether (See Diethylene Glycol Monomethyl Ether)	111773
DIETHYLENE GLYCOL METHYL ETHERS	89399280
Diethylene Glycol Monobutyl Ether (DEGBE) (Butyl Carbitol) (2-(2-Butoxyethoxy)ethanol)	112345
Diethylene Glycol Monoethyl Ether (DEGEE) (Carbitol) (2-(2-Ethoxyethoxy)ethanol)	111900
Diethylene Glycol Monomethyl Ether (DEGME) (Methyl Carbitol) (2-(2-Methoxyethoxy)ethanol)	111773
Diethylene Glycol N-Butyl Ether (See Diethylene Glycol Monobutyl Ether)	112345
Diethylene Glycol Phenyl Ether	104687
Diethylenetriamine (DETA)	111400
Difluoroethane (See 1,1-Difluoroethane) (HFC-152a)	75376
Difluoromethane (HFC-32)	75105
Diglycolamine	929066
Dihydroxy Acetone	96264
Diisobutyl Ketone	108838
Di-iso-propyl adipate (Hexanedioic acid, bis (1-methylhexyl))	6938949
Dimethicone Copolyol	64365237
Dimethoate	60515
Dimethyl Adipate (hexanedioic acid, methyl ester)	627930
Dimethyl benzene (See Xylene)	1330207
Dimethyl Carbinol (See 2-Propanol) (Isopropanol)	67630
Dimethyl Ether (DME)	115106
Dimethyl formamide (N,N-Dimethylformamide)	68122
Dimethyl Glutarate	11119400
Dimethyl glutarate (Glutaric acid dimethyl ester; Dimethylpentanedioate)	1119400
Dimethyl Ketone (See Acetone)	67641
Dimethyl phenol phosphate	25155231
DIMETHYL SILOXANE	63148629
Dimethyl Succinate (Butanedioic acid, dimethyl ester?)	106650
Dimethyl Sulfoxide	67685
Dimethylamine	124403
Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid (See 2,4-Dichlorophenoxyacetic acid)	94757
Dimethylamine Salt of Dicamba (See 3,6-Dichloro-o-anisic acid)	1918009
Dimethylamine Salt of MCPP (See 2-(2-methyl-4-chlorophenoxy)-propionic acid)	93652
Dimethylamino Propylamine	109557
Dimethylethanolamine	108010
Dimethylpentanedioate (See Dimethyl glutarate)	1119400
Dimethylpolysiloxane	63148629
Diethyl Phthalate	117840
Diethyl sebacate (Decanedioic acid, bis 2-ethyl hexyl ester)	122623
Dipentene (p-Mentha-1,8-Diene)	138863
Dipropylene glycol	25265718
Dipropylene Glycol Methyl Ether	34590948
Dipropylene Triamine	56188
Disodium Cocamide Mipa Sulfosuccinate	68515651
Disodium ethylene bisdithiocarbamate (See Ethylene (bis) dithiocarbamate, disodium salt)	142596
Disodium Laureth Sulfosuccinate	39354455
Distillates (Petroleum), Solvent-Rf Lt.Nap	64741895
d-Limonene	68647723
D-Limonene	68917577
D-Limonene (D-1-Methyl-4-iso-propenylcyclohexene)	5989275
DL-Limonene	7705148
DME (See Dimethyl Ether)	115106
Dodecane	112403

Dodecyl Benzene Sulfonic Acid	27176870
Dodecylbenzene Sulfonate	27176870
Dodecylbenzene Sulfonic Acid	27176870
Dodecylbenzenesulfonate (See Sodium Dodecylbenzene sulfonate)	25155300
Dow Corning 344	69430246
DOWANOL DPM	34590948
Dowanol PM Acetate (See Propylene Glycol Monomethyl Ether Acetate)	108656
Dowanol PM Glycol Ether (See Propylene Glycol Monomethyl Ether)	107982
D-Tert Butyl Phenyl Glycidyl Ether	3101608
Dursban (See Chlorpyrifos)	2921882
Dursban H.F. Insecticide Concentrate (See Chlorpyrifos)	2921882
Dymel A (See Dimethyl Ether)	115106
EEP Solvent (See Ethyl-3-ethoxypropionate)	763699
Ektasolve (See Ethylene Glycol Monopropyl Ether)	2807309
Ektasolve EP (See Ethylene Glycol Monopropyl Ether)	2807309
Emcol 14	71012107
Epoxidized Soybean Oil (See Soya bean oil)	8013078
Epoxy Resin	28064144
Ethalfuralin	55283686
Ethane	74840
Ethanol (Ethyl alcohol; SD-Alcohol; SDA-38B or SDA-40)	64175
Ethanol (Methanol Denatured)	8013523
Ethanol SDA 39C	8024451
Ethanol, 2-butoxy (See Ethylene Glycol Monobutyl Ether)	111762
Ethanolamine (2-Aminoethanol)	141435
Ethanolamine Sulfite	15535292
Ethoxy Sulfate, Neodol 25-3S	68586342
Ethoxydiglycol (See Diethylene Glycol Monoethyl Ether)	111900
Ethoxyethanol (See Ethylene Glycol Monoethyl Ether)	110805
Ethoxylated Alcohol C12-15	68131395
Ethoxylated Alcohol C12-16	68551122
Ethyl 3-ethoxypropionate	7636699
Ethyl Acetate	141786
Ethyl Alcohol	97702170
Ethyl alcohol (See Ethanol)	64175
Ethyl Benzene	100414
Ethyl cyanoacrylate (See 2-Cyanoethyl acrylate)	7085850
Ethyl Ester of PVM/MA Copolymer (w/ethanol)	25087063
Ethyl Ether (See Diethyl ether)	60297
Ethyl-3-ethoxypropionate (EEP)	763699
Ethylbenzene	110414
Ethylene	74851
Ethylene (bis) dithiocarbamate, disodium salt	142596
Ethylene Diamine	107153
Ethylene Diamine Tetra Acetate	60004
Ethylene Dichloride	107062
Ethylene Glycol (1,2-Ethanediol)	107211
Ethylene Glycol Diethyl Ether	629141
Ethylene Glycol Dimethyl Ether	110714
Ethylene Glycol Methyl Ether (See Ethylene Glycol Monomethyl Ether)	109864
Ethylene Glycol Monobutyl Ether (EGBE) (Butyl Cellosolve) (2-Butoxyethanol)	111762
Ethylene Glycol Monobutyl Ether Acetate (EGBEA) (Butyl Cellosolve Acetate) (2-Butoxyethyl Acetate)	112072
Ethylene Glycol Monoethyl Ether (EGEE) (Cellosolve) (2-Ethoxyethanol)	110805
Ethylene Glycol Monoethyl Ether Acetate (EGEEA) (Cellosolve Acetate) (2-Ethoxyethyl Acetate)	111159
Ethylene Glycol Monomethyl Ether (EGME) (Methyl Cellosolve) (2-Methoxyethanol)	109864
Ethylene Glycol Monomethyl Ether Acetate (EGMEA) (Methyl Cellosolve Acetate)	110496
Ethylene Glycol Monophenyl Ether	122996
Ethylene Glycol Monopropyl Ether (Ektasolve; Ethylene glycol-n-propyl ether)	2807309
Ethylene Glycol N-Butyl Ether (See Ethylene Glycol Monobutyl Ether)	111762
Ethylene Glycol Phenyl Ether (See Ethylene Glycol Monophenyl Ether)	122996
Ethylene glycol-n-propyl ether (See Ethylene Glycol Monopropyl Ether)	2807309
Ethylene Oxide (Oxirane)	75218
Ethylene/vinyl acetate polymer	24937788

Ethylfluoride (HFC-161)	353366
Ethyltoluenes	25550145
Eucalyptus Oil	8000484
Eugenol	97530
Fatty Diethanolamide	68604353
Ferbam	14484641
Formaldehyde	50000
Formalin (See Formaldehyde)	50000
Formic acid (Methanoic acid)	64186
FREON 22 SOLVENT (See Chlorodifluoromethane)	75456
FREON TF (See 1,1,2-Trichloro-1,2,2-trifluoroethane)	76131
fuel oil no. 2	68476302
Furfuryl Alcohol	98000
Gamma-Aminopropyltriethoxysilane (See 3-Aminopropyltriethoxysilane)	919302
gamma-Butyrolactone (See gamma-Butyrolactone)	96480
Gantrez ES224	25087063
Gantrez ES225	25087063
Glutaraldehyde (Pentanedial)	111308
Glutaric acid dimethyl ester (See Dimethyl glutarate)	1119400
Glycereth-7	31694550
Glycerin (See 1,2,3-Propanetriol)	56815
Glyceryl Thioglycolate	30618849
Glycol Ether - Butyl Carbitol (See Diethylene Glycol Monobutyl Ether)	112345
Glycol Ether Acetate (See Ethylene Glycol Monomethyl Ether Acetate)	110496
Glycol Ether DB (See Diethylene Glycol Monobutyl Ether)	112345
Glycol Ether De-Low Grav. (See Diethylene Glycol Monoethyl Ether)	111900
Glycol Ether DM (See Diethylene Glycol Monomethyl Ether)	111773
Glycol Ether DPM	34590948
Glycol Ether DR-Lo Grav. (See Diethylene Glycol Monoethyl Ether)	111900
Glycol Ether EB (See Ethylene Glycol Monobutyl Ether)	111762
Glycol Ether EE (See Ethylene Glycol Monoethyl Ether)	110805
Glycol Ether EP (See Ethylene Glycol Monopropyl Ether)	2807309
Glycol Ether EPH (See Ethylene Glycol Monophenyl Ether)	122996
Glycol Ether PM (See Propylene Glycol Monomethyl Ether)	107982
Glycol Methylene Ether (1,3-Dioxolane?)	646060
Glycolic Acid (See Hydroxyacetic Acid)	79141
Gum Turpentine	9005907
Halothane (See 2-Bromo-2-chloro-1,1,1-trifluoroethane)	151677
Halso AG125 Monochlorotoluene (See Chlorotoluene)	25168052
Hamosyl L-30 (See Hydrocarbon Detergent)	137166
Han Solvent	64742069
HAN-857	64742069
HCFC-123 (See 1,1,1-Trifluoro-2,2-dichloroethane)	306832
HCFC-123a (See 1,2-Dichloro-1,1,2-trifluoroethane)	354234
HCFC-124 (See 2-Chloro-1,1,1,2-tetrafluoroethane)	2837890
HCFC-141b (1,1-Dichloro-1-fluoroethane)	25167888
HCFC-142b (See 1-Chloro-1,1-difluoroethane)	75683
HCFC-151a (See 1-Chloro-1-fluoroethane)	1615754
HCFC-22 (See Chlorodifluoromethane)	75456
HCFC-225ca (See 3,3-Dichloro-1,1,1,2,2-pentafluoropropane)	422560
HCFC-225cb (See 1,3-Dichloro-1,1,2,2,3-pentafluoropropane)	507551
HCFC-31 (See Chlorofluoromethane)	593704
Heavy Alkylate Naphtha	64741657
Heavy Aromatic Naphtha Solvent (See Aromatic solvent, heavy aromatic naphtha)	64742945
Heptane (See n-Heptane)	142825
Hexachlorocyclohexane - gamma (Lindane)	58899
Hexamethylenediamine	6898775
Hexane (See n-Hexane)	110543
Hexanedioic acid, bis (1-methylhexyl) (See Di-iso-propyl adipate)	6938949
Hexone (See Methyl Isobutyl Ketone)	108101
Hexylene Glycol (2-Methyl-2,4-pentane diol)	107415
HFC 43-10mee (1,1,1,2,3,4,4,5,5,5-Decafluoropentane)	138495428
HFC-125 (See Pentafluoroethane)	354336

HFC-134 (See 1,1,2,2-Tetrafluoroethane)	359353
HFC-134a (See 1,1,1,2-Tetrafluoroethane)	811972
HFC-143a (See 1,1,1-Trifluoroethane)	420462
HFC-152a (See 1,1-Difluoroethane)	75376
HFC-161 (See Ethylfluoride)	353366
HFC-23 (See Trifluoromethane)	75467
HFC-236ea (See 1,1,1,2,3,3-Hexafluoropropane)	431630
HFC-236fa (See 1,1,1,3,3,3-Hexafluoropropane)	690391
HFC-245ca (See 1,1,2,2,3-Pentafluoropropane)	679867
HFC-245ea (See 1,1,2,3,3-Pentafluoropropane)	24270664
HFC-245eb (See 1,1,1,2,3-Pentafluoropropane)	431312
HFC-245fa (See 1,1,1,3,3-Pentafluoropropane)	460731
HFC-32 (See Difluoromethane)	75105
HFC-365mfc (See 1,1,1,3,3-Pentafluorobutane)	406586
High Flash Naptha	68476799
Hydrocarbon Detergent	137166
HYDROCARBON PROPELLANT	68476868
Hydrocarbon Propellant A-17 (See Butane (n))	106978
Hydrocarbon resin	68003510
HYDROCARBONS	64741737
Hydroquinone (1,4-Benzenediol)	123319
HYDROTREATED HEAVY NAPHTHA (PETROLEUM)	64742489
hydrotreated light distillate	64742149
Hydrotreated Light Distillate	64742478
Hydrotreated middle distillate	64742467
hydroxy alkylmethacrylate	27813021
Hydroxyacetic Acid (Glycolic Acid)	79141
Hydroxyethyl methacrylate	868779
Imazaquin	81335479
Indan	496117
Intrasol FA 12/18/5	22047490
Iodine	7553562
Isobornyl Acetate (Bicyclo[2.2.1]heptan-2-ol, 1,7,7-trimethyl,-acetate)	125122
Isobutane (See 2-Methyl propane) (A-31)	75285
ISOBUTANE/ PROPANE	68476857
isobutane/propane	68475592
Isobutane/Propane	68476868
Isobutanol (2-Methyl-1-Propanol)	78831
Isobutyl Acetate	110190
Isobutyl Acetone (See Isobutyl Acetate)	110190
Isobutyl Isobutyrate	97858
Isobutyl methacrylate	97869
Isobutylcyclohexane	1678984
Isohexadecane	15220856
Isohexane	73513425
Isohexane (See 2-Methylpentane)	107835
Isomeric Hydrocarbons	68551188
Isopar C	64742489
Isopar E	64742489
Isopar G	64742489
Isopar H	64742489
Isopar K	64742489
Isopar L	64742489
Isopar M	64742478
ISOPARAFFIN HYDROCARBON	64741657
ISOPARAFFINIC PETROLEUM	68551199
Isoparaffinic petroleum solvent	8001603
ISOPARAFFINIC SOLVENT	64742489
Isophorone	78591
Isophorone Diamine	2855132
Isophorone diisocyanate	4098719
Isopropanol (See 2-Propanol) (Isopropyl alcohol; IPA; 2-Propanol)	67630
Isopropyl Acetate	108214

Isopropyl Alcohol	26080191
Isopropyl Isosterate	68171335
Isopropylamine	75310
Isopropylcyclohexane	696297
Kaydol Mineral Oil (See Paraffin oil)	8012951
KD COCO AMIDE	61791319
Kerosene	8008206
Kerosene	9002059
Kerosene	64742810
KEROSENE	64742478
Klearol Mineral Oil (See Paraffin oil)	8012951
L.P. Gas Propellant	68476868
Lactic Acid	50215
Lactol Spirits	64741555
Lavender Oil	8000280
Lead Chromate (C.I. pigment yellow 34)	1344372
Lemon Oil	68916892
LIGHT ALIPHATIC NAPHTHA SOLVENT	64742898
LIGHT AROMATIC NAPHTHA SOLVENT	64742956
Light Distillate	64742149
Light naphtha	64742840
Light Naphtha	64742149
light petroleum distillate	64742749
Ligroine (See Petroleum ether, ligroin)	8032324
Lindane (See Hexachlorocyclohexane - gamma)	58899
LINEAR ALCOHOL ETHOXYLATE	69013189
LINSEED OIL	68001261
Linseed Oil	8001261
Liquid Petroleum Propellant	68476889
Liquified Petroleum Gas	68476857
LPA Petroleum Distillate	68551188
Lubricating Oil	64742525
Malathion	121755
Malathion - Technical (See Malathion)	121755
Malathion TE (See Malathion)	121755
Malic acid (Hydroxysuccinic acid)	6915157
Manalox Resin	13419153
M-Cresol (See Cresol (meta))	108394
Medium Aliphatic Solvent Naphtha	64742887
MEK (See Methyl Ethyl Ketone; 2-Butanone)	78933
Menthol	89781
Menthol	15356704
Mesityl Oxide (3-penten-2-one, 4-methyl)	141797
Meta Cresol 36/38 (See Cresol (meta))	108394
Methacrylic Acid	31346573
Methacrylic Acid (2-methyl-2-propenoic acid)	79414
Methane	74828
Methanoic acid (See Formic acid)	64186
Methanol (Methyl alcohol)	67561
Methoxychlor	72435
Methoxymethyl Ethoxypropanol	34590948
Methoxypropanol (See Propylene Glycol Monomethyl Ether)	107982
Methyl Alcohol (See Methanol)	67561
Methyl Amyl Alcohol (4-Methyl-2-Pentanol)	108112
Methyl Amyl Ketone (Methyl n-Amyl Ketone) (MAK)	110430
Methyl Benzene	108883
Methyl Benzoate	93583
Methyl Bis Hydroxyethyl Ammonium Methylsulfate	68410695
Methyl Carbitol (See Diethylene Glycol Monomethyl Ether)	111773
Methyl Cellosolve (See Ethylene Glycol Monomethyl Ether)	109864
Methyl Cellosolve Acetate (See Ethylene Glycol Monomethyl Ether Acetate) (EGMEA)	110496
Methyl chloroform (See 1,1,1-Trichloroethane)	71556
Methyl Cyanoacrylate	137053

Methyl Dihydroxyethylisotridecyloxypropyl Ammonium	68610195
Methyl Ether (See Dimethyl Ether)	115106
Methyl Ethyl Ketone (MEK; 2-Butanone)	78933
Methyl Isoamyl Ketone	110123
Methyl Isobutyl Ketone (MIBK) (4-Methyl-2-Pentanone) (Hexone)	108101
Methyl isopropyl ketone	563804
Methyl methacrylate	80626
Methyl n-amyl Ketone (See Methyl Amyl Ketone)	110430
METHYL NAPHTHALENE	65996794
Methyl Nonyl Ketone	112129
Methyl n-Propyl Ketone (See 2-Pentanone)	107879
Methyl propyl ketone (See 2-Pentanone)	107879
METHYL SALICYLATE (Benzoic acid, 2-hydroxy, -methyl ester)	119368
Methyl Tertiary Butyl Ether (MTBE)	1634044
METHYLAL, DIMETHOXYMETHANE	109875
Methylcyclohexane	108872
Methylcyclopentadienyl Manganese Tricarbonyl	12108133
Methylene Bis (4-Cyclohexylisocyanate)	512431
Methylene bis(4-cyclohexylisocyanate)	5124301
Methylene bis(thiocyanate)	6317186
Methylene chloride (Dichloromethane)	75092
Methoxy Propanol Acetate (See Propylene Glycol Monomethyl Ether Acetate)	108656
MIBK (See Methyl Isobutyl Ketone)	108101
MIDDLE DISTILLATE PETROLEUM SOLVENT EXTRACT	64742069
MINERAL OIL	64742525
Mineral Oil	64742650
Mineral Oil	64741964
Mineral oil, white (Carnea oil)	8020835
Mineral oil, white (Slab Oil)	8042475
Mineral Seal Oil	64742809
MINERAL SEAL OIL	64741657
Mineral Seal Oil	64741442
Mineral Seal Oil	64742467
Mineral Seal Oil	64742309
Mineral spirits	64742887
Mineral spirits	68513031
Mineral Spirits	64475850
Mineral Spirits	64741324
Mineral Spirits	64741419
Mineral Spirits	64741657
Mineral Spirits	64742428
Mineral Spirits	64742478
Mineral Spirits	64742442
MINERAL SPIRITS (MINERAL SEAL OIL)	64741442
Mixed 2,2,4 and 2,4,4 trimethyl	25513648
Mixed 2,2,4 and 2,4,4 trimethyl-1,6	25513648
Modified Polyethoxylated Alcohol	70321561
Molybdate Orange	12656858
Monochlorobenzene (See Chlorobenzene)	108907
Monochlorotoluene (See Chlorotoluene)	25168052
mono-Chlorotoluene (See Chlorotoluene)	25168052
Monoethanolamine (See Ethanolamine)	141435
Monosodium Acid Methanearsonate (MSMA)	2163806
Morpholine	110918
Morpholine	68855547
M-Pyrol (Methyl pyrrolidine)	120945
m-Pyrol (See 1-Methyl-2-Pyrrolidinone)	872504
MSMA (See Monosodium Acid Methanearsonate)	2163806
MTBE (See Methyl Tertiary Butyl Ether)	1634044
N-(1-Ethylpropyl -3,4-Dimethyl 2,6-Dinitrobenzenam	40487421
N,N-Diethyl-M-Toluamide (DEET)	134623
N,N-Dimethylformamide (See Dimethyl formamide)	68122
N,N-Dimethyl-p-Toluidine	99978

NABAM (See Ethylene (bis) dithiocarbamate, disodium salt)	142596
N-Alkyl Dimethyl Benzyl Ammonium Chloride	68424851
N-Alkyl Dimethyl Benzyl Ammonium Chloride (See Benzalkonium chloride)	8001545
n-Amyl acetate (See Amyl acetate)	628637
Naphtha (Petroleum Naphtha)	8030306
Naphtha Heavy Alkylate	64741657
Naphtha, Heavy Aromatic	64742069
NAPHTHA, STRAIGHT RUN, HEAVY	64741419
Naphthalene	91203
Naphthenic Acid Lead Salt	61790145
Naphthol Spirits	64792489
Naptherie Distillate	64742525
N-Butane (See Butane (n))	106978
n-Butoxypropanol (See Propylene Glycol Monobutyl Ether)	5131668
n-Butyl Acetate (See Butyl Acetate)	123864
n-Butyl Ether of Ethylene Glycol (See Ethylene Glycol Monobutyl Ether)	111762
n-Butyl Propionate	590012
Neopentyl Glycol (2,2-Dimethyl-1,3-Propanediol)	126307
Neutral Base Oil	64741895
n-Heptane	142825
n-Hexane	110543
Niacinamide (3-pyridine carboxamide)	98920
Nitrapyrin (Pyridine, 2-chloro-6-trichloro methyl?)	1929824
Nitrocellulose	9004700
NITROETHANE	79243
Nitroglycerin (1,2,3-propanetriol, trinitrate)	55630
Nitromethane	75525
N-Methyl-2-Pyrrolidone (See 1-Methyl-2-Pyrrolidinone)	872504
N-Methylpyrrolidone (See 1-Methyl-2-Pyrrolidinone)	872504
N-Methylpyrrolidone	120945
n-Octane	111659
Nonane	111842
Nonyl Phenyl Ethylene Oxide 6M	68412544
Nonylphenol Polyethoxylate (See Nonylphenol, ethoxylated)	9016459
Nonylphenol, ethoxylated (Nonylphenoxy polyethoxy ethanol; Polyoxyethylene nonylphenyl ether)	9016459
Norpar 15	64771728
N-pentane	109660
N-Phosphonomethylglycine	1071836
n-Propanol (See 1-Propanol) (n-Propyl alcohol)	71238
n-Propoxypropanol	1569013
n-Propyl Acetate	109604
n-Propylbenzene	103651
N-vinyl-2-pyrrolidone	88120
O,O-dimethyl-O-phosphorothiate	333476
o-Benzyl-p-Chlorophenol	120321
o-Chlorotoluene (See Chlorotoluene (o))	95498
o-cresyl glycidyl ether	26447143
Octane (See n-Octane)	111659
Octanol	111875
Octyl dimethyl amine oxide	2605789
Octyl Epoxy Tallate	61788725
Octylphenol Ether (See Octylphenoxy polyethoxy ethanol)	9036195
Octylphenoxy polyethoxy ethanol (Triton X-114; Polyoxyethylene octylphenyl ether)	9036195
Octylphenyl ethylene oxide	9002931
o-Dichlorobenzene (See Dichlorobenzene (ortho))	95501
Odorless Mineral Spirits	64741418
Odorless Mineral Spirits	64741657
ODORLESS MINERAL SPIRITS	64475850
Odorless Mineral Spirits	64741657
ODORLESS MINIERAL SPIRITS	64742150
Oil Camphor (See Camphor oil)	8008513
Oil of Pine Tar (See Pine tar)	8011481
Oil Petitgrain (See Petitgrain oil)	8014173

Oil Spike (See Spike Lavender Oil)	8016782
Oleic Acid (9-octadecenoic acid)	112801
Oleyl Alcohol	143282
O-Nitrotoluene	88722
Orange Oil	68606940
Orange Oil	8008579
Orange Oil Terpenes	68647723
Orange Oil Terpenes	68917577
Orange Terpene	65996987
Orange Terpene	68647723
Orchex 796	72623848
ORTHODICHLOROBENZENE	25321226
ortho-Phenylphenol	90437
Oxo-Heptyl Acetate	90438792
o-Xylene (See Xylene (ortho))	95476
Pale Oil	68476302
Pale Oil (See Petroleum Oil)	8002059
Panasol AN2K	63798787
Parachlorobenzotrifluoride (PCBTF) (1-Chloro-4-trifluoromethyl benzene)	98566
Parachlorometoxyleneol	88040
Para-dichlorobenzene (See 1,4-Dichlorobenzene)	106467
Paraffin oil	8012951
Paraffin Wax	8002742
Paraffinic Distillate	64742650
PARAFFINIC PETROLEUM SOLVENT	64741895
Parafin series of hydrocarbon solvents	68466868
Paraformaldehyde	30525894
PCBTF (See Parachlorobenzotrifluoride) (1-Chloro-4-trifluoromethyl benzene)	98566
p-Dichlorobenzene (See 1,4-Dichlorobenzene)	106467
Pentachloronitrobenzene	826886
Pentaethylene glycol	4792158
Pentafluoroethane (HFC-125)	354336
Pentane (See n-Pentane)	109660
PERACETIC ACID	79210
Perchloroethylene (1,1,2,2-Tetrachloroethylene)	127184
Permethrin (80 % concentrate)	52645531
Petitgrain oil	8014173
Petrolatum	8009038
Petroleum (Petroleum Oil)	8002059
Petroleum Distillate	64741908
Petroleum Distillate	64742376
Petroleum Distillate	68476302
Petroleum Distillate	68551155
PETROLEUM DISTILLATE	64741771
PETROLEUM DISTILLATE	64741964
Petroleum Distillate	64741442
Petroleum Distillate	64741862
Petroleum Distillate (Deodorized Kerosene)	64742149
Petroleum Distillate, Naphtha (See Naphtha)	8030306
Petroleum distillates	64742898
PETROLEUM DISTILLATES	64741964
Petroleum Distillates	64742309
Petroleum ether, ligroin	8032324
Petroleum hydrocarbon	64742467
Petroleum Hydrocarbon Distillate	64741964
PETROLEUM HYDROCARBON NAPHTHA	64741920
PETROLEUM HYDROCARBON OIL	64742525
Petroleum Middle Distillate	68476346
Petroleum Oil	64741895
PETROLEUM OIL	64742467
Petroleum Oil	64742650
Petroleum Process Oil	64742558
Petroleum Resin	64742161

Petroleum solvent	64771728
Phenol	108952
Phenol (90%) (See Phenol)	108952
Phenol Isopropylated, Phosphate	68937417
Phenoxyethanol (See Ethylene Glycol Monophenyl Ether)	122996
Phenyl Trimethicone	2116849
Phenyglycol ether	122996
Picloram, Potassium salt	2545600
Pine Oil	8002093
Pine oil (See Terpene Alcohols)	98555
Pine tar	8011481
Piperalin	3478942
Piperonyl Butoxide	51036
PM Acetate	84540578
PM Acetate (See Propylene Glycol Monomethyl Ether Acetate)	108656
p-Menthadiene	68956569
P-Menthadienes	68956569
Poly Solv DB (See Diethylene Glycol Monobutyl Ether)	112345
Poly Solv DE (See Diethylene Glycol Monoethyl Ether)	111900
Poly Solv EB (See Ethylene Glycol Monobutyl Ether)	111762
Polybutene	9003296
Polydimethylsiloxane	63148629
Polyethylene	9002884
Polyethylene Glycol	25322683
Polyethylene Glycol Dilaurate	9005021
Polyglycol 26-3	69029396
Polyglycol Dimethacrylate	25852475
Polyglycol P-2000	25322694
Polyisobutylene Solution	64742400
Polymethyl methacrylate	9011147
Polyoxyethylene Octyl Phenyl Ether (See Octylphenoxyethoxy ethanol)	9036195
Polysolve DM (See Diethylene Glycol Monomethyl Ether)	111773
Polytetra fluoroethylene	9002840
Potassium dimethyldithiocarbamate	128030
Potassium Sorbate	24634615
Primary Amyl Acetate (See Amyl Acetate)	628637
Process Oil	64742525
Prometon	1610180
Prometon - Technical (See Prometon)	1610180
Propane	74986
PROPANE/BUTANE/ISOBUTANE	68476857
Propanoic Acid, 3-Ethoxy-Ethyl Ester (See Ethyl-3-ethoxypropionate)	763699
Propanol, 1 (or 2) -2-methoxymethylethoxy-	34590948
PROPELLANT A-108 - PROPANE (See Propane)	74986
Propionic Acid	53404312
Propionic Acid	32351705
Propylene Glycol EP Solvent (See Ethylene Glycol Monopropyl Ether)	2807309
Propoxyethanol (See Ethylene Glycol Monopropyl Ether)	2807309
Propyl Acetate (See n-Propyl Acetate)	109604
Propylbenzene (See n-Propylbenzene)	103651
Propylcyclohexane	1678928
Propylene Glycol	25322694
Propylene Glycol (1,2-Propanediol)	57556
Propylene Glycol Methyl Ether (PGME)	107556
Propylene Glycol Methyl Ether (See Propylene Glycol Monomethyl Ether)	107982
Propylene Glycol Monobutyl Ether (1-Butoxy-2-propanol)	5131668
Propylene Glycol Monomethyl Ether (PGME) (1-Methoxy-2-Propanol)	107982
Propylene Glycol Monomethyl Ether Acetate (PGMEA) (1-Methoxy-2-Propanol Acetate)	108656
Propylene glycol T-Butyl Ether	57018527
Propylene glycol tertiary butyl ether	57018527
Propylene Glycol Methyl Ether Acetate (See Propylene Glycol Monomethyl Ether Acetate)	108656
pseudo-Cumene (See 1,2,4-Trimethylbenzene)	95636
PVP/VA Copolymer	25086899

Pyrenone CSE-10	8003347
Pyrethrins	8003347
Pyrethrum (PD-5 Residual) (See Pyrethrins)	8003347
Pyrocide Intermediate 5192 (Pyrethrin)	121211
Quarternary Blend (w/20% ethanol)	67784774
Quaternary Ammonium Chloride	31075248
Quaternary Ammonium Chloride (See Benzalkonium chloride)	8001545
RESIN A-BENZYL (See Benzyl Alcohol)	100516
S&S, Di-Me,Hydroxy-Terminated UVCB	70131678
Safety Solvent	64742809
Safety Solvent 200	64742809
Safrole	94597
Saponified Vegetable Oil (Green Soap)	8026708
SD 40 Alcohol	97702180
SD-Alcohol (See Ethanol)	64175
Sec-butanol (See 2-Butanol)	78922
sec-Butyl alcohol (See 2-Butanol)	78922
Silanamine, 1,1,1-Trimethyl-n-(Trimethylsilyl)	68909206
Silicic Acid (HASIO4), Tetrapropyl	682019
Slane, Trimethoxymethyl-	1185553
S-O,O-Diisopropyl phosphorodithioate	741582
Sodium Alkyl Benzene Sulfonate	2211985
Sodium Cocoyl Sarcosinate	61791591
Sodium Dimethyldithiocarbamate	128041
Sodium Dodecylbenzene Sulfonate	25155300
Sodium Laureth Ether Sulfate (See Sodium lauryl ether sulfate)	9004824
Sodium Laureth Sulfate (See Sodium lauryl ether sulfate)	9004824
Sodium Laureth Sulfate (See Sodium Lauryl Sulfate)	151213
Sodium Laureth-12 Sulfate (See Sodium lauryl ether sulfate)	9004824
Sodium lauryl ether sulfate	9004824
Sodium Lauryl Sulfate	151213
Sodium Lauryl Sulfate Ether	1335724
Sodium Molybdate	7631950
Sodium Oleate	143191
Sodium Pareth-25 Sulfate (w/11% ethanol)	68891383
Sodium Tridecylbenzene Sulfonate	26248248
Sodium Xylene Sulfonate	1300727
SOL-71	64741657
Soltrol 145	64741657
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	64742898
Solvent Naphtha T500-100	64742956
SOLVENT REFINED LIGHT NAPHTHA	64741840
SOLVENT REFINED LIGHT NAPHTHENIC DISTILLATE	64741975
SORBITOL (D-Glucitol, C6H14O6)	50704
Soya bean oil	8013078
Spike Lavender Oil	8016782
Spruce oil	8008808
Standard Denatured Alcohol	77021810
Steam Distilled Wood Turpentine (See Turpentine)	8006642
Stearalkonium Chloride	122190
Stoddard solvent	8052413
STRAIGHT RUN MIDDLE PETROLEUM	64741442
Styrene (Ethenyl benzene)	100425
Sulfonated Castor Oil	68187768
Sulfonated Castor Oil	68187768
Sun Ag Oil 7N	64741884
SUN GOLDEN OIL #91 (SUN OIL CO.)	64742343
Sun Spray 6N	64741895
Sunpar 110	64741884
SWEETENED LIQUIFIED PETROLEUM GAS	68476858
Tall Oil	8002264
Tallow Imid Methosulfate	68122861
Tallow Imid Methosulfate	68122861

Tallowammonium Trimethyl Chloride	8030782
T-Amyl Alcohol	75854
t-Butyl Alcohol (See Tert-Butyl Alcohol)	75650
TEA-Laurel Sulfate	139968
Tenneco 500/100	25551137
Terpene	68956569
Terpene Alcohols	98555
Terpineol	8000417
Terpineol (alpha)	98555
Tert-Butyl Alcohol	75650
Tetrabutyl Titanate	5593704
Tetrachloroethylene (See Perchloroethylene)	127184
Tetrachloroisophtaianitrile	18947456
Tetraethylene Glycol	112607
Tetraethylene glycol (Di[2-ethylhexanoate])	18268707
Tetraethylene Glycol Dimethacrylate	109171
Tetraethylene Pentamine	112572
Tetrahydro-3,5-dimethyl-1,2-H-1,3,5-thiadiazine-2-e	533744
Tetrahydrofuran	109999
Tetrahydrofurfuryl Alcohol	97994
Tetramethylthiuran Disulfide	137268
Tetrapropyl Orthosilicate	68209
Tetrapropyl Orthosilicate (See Silicic Acid, Tetrapropyl)	682019
Tetrasodium EDTA	64028
Tetrohydrofuran	2455245
Texanol (2,2,4-Trimethyl-1,3-pentanediol-isobutyrate)	25265774
Texanol iso-butyrate (2,2,4-Trimethyl-1,3-pentanediol di-isobutyrate)	6846500
Textile spirits	64741840
Textile Spirits (See n-Hexane)	110543
Thiobencarb	28249776
Thiodan - Technical	115297
Thioglycolate, ammonium salt (See Ammonium Thioglycolate)	5421465
Thioglycolic Acid	68111
Thiram - Technical (See Tetramethylthiuran Disulfide)	137268
T-Mulz 2900, Harcos, Kansas	69980741
Toluene	108883
Trans-1,3-Dichloropropene	10061026
trans-Decalin	49327
Tri (beta-chloropropyl) phosphate	13674845
Tributoxy Ethyl Phosphate	78513
Trichlorfon (Phosphoric Acid, 2,2,2-trichloro-1-hydroxyethyl)-dimethyl ether	52686
Trichloroethylene (TCE)	79016
Trichlorofluoromethane (CFC-11)	75694
Trichlorotrifluoroethane (CFC-113) (See 1,1,2-Trichloro-1,2,2-trifluoroethane)	76131
Triethanolamine	102716
Triethanolamine Lauryl Sulfate	11178771
Triethyl Phosphite	122521
Triethylamine	121448
Triethylene Glycol	112276
Triethylene Glycol Dimethyl Ether (TEGDME)	112492
Triethylene Glycol Monobutyl Ether	143226
Triethylene Tetramine	68919799
Triethylenediamine	280579
Trifluoromethane (HFC-23)	75467
Trifluralin (a,a,a-Trifluoro-s,6-dinitro-n,n-dipropyl-p-toluide)	1582098
Trimethyl Benzene	25551137
Trimethylhexamethylenediamine	25513648
Triphenol Phosphate	115866
TRIPROPYLENE GLYCOL	25498491
Tripropylene Glycol Methyl Ether	25498491
Tripropylene glycol methyl ether	20324338
Tris (Hydroxymethyl) Nitromethane	126114
Triton	67923879

Triton X-200	67923879
Turpentine	8006642
Turpentine Oil Resin	8052140
Turpentine, gum (See Gum Turpentine)	9005907
Undecane	1120214
Undecenoic Acid	112389
Unsaturated Polyester Resin	25037665
URETHANE DIMETHACRYLATE	39318699
V.M.& P. Naphtha	64742898
Vegetable Glycerin (See 1,2,3-Propanetriol)	56815
Vinyl Acetate	108054
VM & P Naphtha	8032324
White Oil No. 9T (See Mineral oil, white)	8042475
Wickenol	22047490
Wilcolate A (See Sodium Lauryl Sulfate)	151213
Witch Hazel	68916392
Witch Hazel Distillate	68916781
Witch Hazel Extract	84696195
X 22-160	70131678
Xylene (Xylenes, mixed)	1330207
Xylene {chk CAS for mixture??}	108383
Xylene (ortho)	95476
Xylene (para)	106423
Xylene in technical - Methyl Parathion (See Xylene)	1330207
Xylene mixed O, M, & P Isomers (See Xylene)	1330207
Xylene-range aromatic solvent	64742954
Xylenes, mixed (See Xylene)	1330207
Xylenols - mixed	1300716
Xylol (p) (See Xylene (para))	106423
Zinc Napthenate	12001853

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**“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 and Panel Adhesive,” and “General Purpose Adhesive” only, “adhesive” also does not include units of product, less packaging, which weigh more than one pound or consist of more than 16 fluid ounces. This limitation does not apply to aerosol adhesives.

**“Adhesive Remover”** means a product designed exclusively for the removal of adhesives, caulk and other bonding materials from either a specific substrate or a variety of substrates.

**“Aerosol Adhesive”** means an aerosol product in which the spray mechanism is permanently housed in a nonrefillable can designed for hand-held application [32 fluid ounces or less] without the need for ancillary hoses or spray equipment. [Aerosol Adhesive products are classified by the following type of application: mounting, general purpose, repositionable and high performance.]

**“Aerosol Product”** means a pressurized spray system that dispenses product ingredients by means of a propellant or mechanically induced force. “Aerosol Product” does not include pump sprays.

### **“Application”**

**General Purpose:** An aerosol adhesive that is designed for multi-purpose uses on a variety of substrates. An example would be a general duty arts and crafts adhesive.

**High Performance:** An aerosol adhesives that meets specialized performance requirements for demanding uses, such as, but not limited to, high contact bond strength, high temperature resistance, and plasticizer resistance. This category would include, but is not limited to:

1. Automotive applications, such as headliners, trim carpet, gaskets, dashboard, etc.
2. Laminating metal to rubber, rubber to rubber, low energy surfaces, polyolefins
3. Edge bonding
4. Cabinet and countertop installation, maintenance, touch-up and repair
5. Expanded polystyrene bead board

**Mounting:** An aerosol adhesive intended primarily for use in mounting photographs, artwork, and any other drawn or printed media to a backing (paper, board, cloth).

**Repositionable:** An aerosol adhesive that, once applied, allows two substrates to be temporarily separated and then reapplied without having to apply additional adhesive.

**“ASTM”** means the American Society for Testing and Materials.

**“Colorant”** means any pigment or coloring material used in a consumer product for an aesthetic effect, or to dramatize an ingredient.

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“**Commercial Product**” has the same definition as *institutional product*.

“**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; and automotive specialty products; but do not include paint, furniture coatings, or architectural coatings.

“**Contract Employee**” means a person hired by a company to sell that company's goods or products for an agreed upon commission or fee.

“**Custom Contract Packager**” means a company that manufactures products based on the specifications of another company and places the other company's name on the product *label*.

“**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*.

“**Employee**” means a person hired by another, or by a business firm, to work for wages or salary.

“**Exempt Compound**” means any of the following organic compounds: carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, ammonium carbonate, and the following:

- (A) methane,
- methylene chloride (dichloromethane),
- dichlorodifluoromethane (CFC-12),
- 1,1,1-trichloroethane (methyl chloroform),
- trichlorofluoromethane (CFC-11),
- 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),

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### DEFINITIONS

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*volatile methyl siloxanes* and  
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;
4. and 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:

1. acetone,
2. ethane,
3. parachlorobenzotrifluoride (1-chloro-4-trifluoromethyl benzene), and
4. perchloroethylene (tetrachloroethylene).

**“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 20°C, the sole purpose of which is to impart an odor or scent, or to counteract a malodor.

**“General Purpose”** (see *Application*)

**“Gross Annual Receipt”** means the overall total income of a company before expenses are deducted.

**“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.

**“High Performance”** (see *Application*)

**“Independently Owned”** means controlled by one self. Not dependent on another for financial support.

**“Industrial Product”** means a product designed and labeled exclusively for use in manufacturing processes whereby the product is incorporated into or used exclusively in the manufacture or construction of the goods or commodities (e.g., mold release used in plastic forms).

**“Institutional Product,”** or for the purposes of this survey, “commercial 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,

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theaters, or transportation companies. Institutional product does not include *household products* or products that are incorporated into or used exclusively in the manufacture or construction of the goods or commodities at the site of the establishment.

**“Mounting”** (see *Application*)

**“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.

**“Lace Spray”** means an aerosol adhesive applied in a non-atomized form that results in a cobwebby or lace-like pattern of non-discreet particles, providing a rough-textured spray pattern.

**“Low Vapor Pressure-Volatile Organic compounds” (LVP-VOC)** means a chemical “compound” or “mixture” which 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 ARB 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, and the vapor pressure is unknown; or
- (C) is a chemical “compound” with a boiling point greater than 216°C, as determined by ARB Method 310; or
- (D) is the weight percent of a chemical “mixture” that boils above 216°C, as determined by ARB 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”.

**“Manufacturer”** means any person who imports, manufactures, assembles, produces, packages, repackages, or relabels a *consumer product*.

**“Parent Company”** means the company or corporation that owns and controls other companies.

**“Particle Spray”** means an aerosol adhesive applied with atomization resulting in the formation of fine, discreet particles that yield a uniform, smooth surface.

**“Principal Display Panel”** 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*.

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### DEFINITIONS

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**“Private Label Contract Packager”** means a company that manufactures products for sale under another company's name.

**“Product Brand Name”** means the name of the product exactly as it appears on the *principal display panel* of the product.

**“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.

**“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.

**“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.

**“Retailer”** means any person who sells, supplies, or offers *consumer products* for sale directly to consumers.

**“Regional”** means of some particular area in the nation (e.g., the West Coast which includes Washington, Oregon, and California).

**“Repositionable”** (see *Application*)

**“Sealant and Caulking compound”** means any product with adhesive properties that is designed to fill, seal, waterproof, or weatherproof gaps or points between two surfaces. These products are used to prevent air infiltration, heat loss, water penetration, insect entry, or to improve appearance. Sealant and Caulking compound does not include architectural coatings such as protective finishes for wood, tile and other flooring, or automotive products.

**“Volatile Methyl Siloxane”** means cyclic, branched, or linear completely methylated siloxanes.

**“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 any *exempt compound*.

## ATTACHMENT E

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### **Title 17, California Code of Regulations Subchapter 4. Disclosure of Public Records**

#### **Article 1. General**

##### **§91000. Scope and Purpose.**

This subchapter shall apply to all requests to the state board under the California Public Records Act (Government Code Sections 6250 et seq.) for the disclosure of public records or for maintaining the confidentiality of data received by the state board. Written guidelines shall govern the internal review of such requests.

NOTE: Authority cited: Sections 39600 and 39601(a), Health and Safety Code. Reference: California Public Records Act, Chapter 3.5 (commencing with Section 6250), Division 7, Government Code.

##### HISTORY

1. New Subchapter 4 (Sections 91000 through 91022, not consecutive) filed 1-26-73; effective thirtieth day thereafter (Register 73, No. 4).
2. Amendment filed 9-28-73; effective thirtieth day thereafter (Register 73, No. 39).
3. Amendment of NOTE filed 3-18-77; effective thirtieth day thereafter (Register 77, No. 12).
4. Repealer and new section filed 10-5-82; effective thirtieth day thereafter (Register 82, No. 41).

##### **§91001. Disclosure Policy.**

It is the policy of the state board that all records not exempted from disclosure by state law shall be open for public inspection with the least possible delay and expense to the requesting party.

NOTE: Authority cited: Sections 39600 and 39601(a), Health and Safety Code. Reference: Section 6253, Government Code; Black Panther Party v. Kehoe (1974) 42 Cal.App.3d 645.

##### HISTORY

1. Amendment filed 9-28-73; effective thirtieth day thereafter (Register 73, No. 39).
2. Amendment and new NOTE filed 3-18-77; effective thirtieth day thereafter (Register 77, No. 12).
3. Repealer and new section filed 10-5-82; effective thirtieth day thereafter (Register 82, No. 41).

#### **Article 2. Board's Requests for Information**

##### **§91010. Request Procedure.**

The state board shall give notice to any person from whom it requests information that the information provided may be released (1) to the public upon request, except trade secrets which are not emission data or other information which is exempt from disclosure or the disclosure of which is prohibited by law, and (2) to the federal Environmental Protection Agency, which protects trade secrets as provided in Section 114(c) of the Clean Air Act and amendments thereto (42 USC 7401 et seq.) and in federal regulations.

NOTE: Authority cited: Sections 39600, 39601 and 39602, Health and Safety Code. Reference: Sections 39701, 41510, 41511, 41512 and 42705, Health and Safety Code; and Section 6253, Government Code.

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### HISTORY

1. Amendment of subsections (a) and (b) filed 9-28-73; effective thirtieth day thereafter (Register 73, No. 39).
2. Amendment of subsection (a), (b) and (c), and new NOTE, filed 3-18-77; effective thirtieth day thereafter (Register 77, No. 12).
3. Amendment filed 10-5-82; effective thirtieth day thereafter (Register 82, No. 41).
4. Editorial correction filed 5-7-84; effective thirtieth day thereafter (Register 84, No. 19).

### **§91011. Submissions of Confidential Data.**

Any person submitting to the state board any records containing data claimed to be "trade secret" or otherwise exempt from disclosure under Government Code Section 6254 or 6254.7 or under other applicable provisions of law shall, at the time of submission, identify in writing the portions of the records containing such data as "confidential" and shall provide the name, address and telephone number of the individual to be contacted if the state board receives a request for disclosure of or seeks to disclose the data claimed to be confidential. Emission data shall not be identified as confidential. The state board shall not disclose data identified as confidential, except in accordance with the requirements of this subchapter or Section 39660(e) of the Health and Safety Code.

NOTE: Authority cited: Sections 39600 and 39601, Health and Safety Code. Reference: Sections 39660, 39701, 41500, 41511, 41512 and 42705, Health and Safety Code; Sections 6253, 6254 and 6254.7, Government Code; *Natural Resources Defense Council v. EPA*, 489 F.2d 390 (5th Cir. 1974) (6 ERC 1248); *Northern California Police Practices Project v. Craig* (1979) 90 Cal.App.3d 116; *Uribe v. Howie* (1971) 19 Cal.App.3d 194.

### HISTORY

1. New section filed 10-5-82; effective thirtieth day thereafter (Register 82, No. 41). For history of former section, see Register 73, No. 39.
2. Amendment filed 7-10-84; effective thirtieth day thereafter (Register 84, No. 28).

## **Article 3. Inspection of Public Records**

### **§91020. Disclosure Policy.**

#### HISTORY

1. Repealer filed 10-5-82; effective thirtieth day thereafter (Register 82, No. 41).

### **§91021. Disclosure Procedure.**

NOTE: Authority cited: Section 39601, Health and Safety Code. Reference: Sections 6253-6257, Government Code.

#### HISTORY

1. Amendment of subsections (c) and (d)(3) filed 9-28-73; effective thirtieth day thereafter (Register 73, No. 39).
2. Amendment and new NOTE filed 3-18-77; effective thirtieth day thereafter (Register 77, No. 12).
3. Repealer filed 10-5-82; effective thirtieth day thereafter (Register 82, No. 41).

### **§91022. Disclosure of Confidential Data.**

- (a) This section shall apply to all data in the custody of the state board

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(1) designated "trade secret" prior to the adoption of this subchapter,  
(2) considered by the state board or identified by the person who submitted the data as confidential pursuant to this subchapter, or

(3) received from a federal, state or local agency, including an air pollution control district, with a confidential designation, subject to the following exceptions:

(A) Except for the time limits specifically provided in subsection (b), only subsections (c) and (d) of this section shall apply to information submitted pursuant to Health and Safety Code Section 39660(e).

(B) Appropriate portions of an application for approval, accreditation, or certification of a motor vehicle emission control device or system shall be kept confidential until such time as the approval, accreditation, or certification is granted, at which time the application (except for trade secret data) shall become a public record, except that estimates of sales volume of new model vehicles contained in an application shall be kept confidential for the model year, and then shall become public records. If an application is denied, it shall continue to be confidential but shall be subject to the provisions of this section.

(C) If disclosure of data obtained after August 9, 1984 from a state or local agency subject to the provisions of the Public Records Act is sought, the state board shall request that the agency which provided the data determine whether it is confidential. The state board shall request that it be notified of the agency's determination within ten days. The state board shall not release the data if the agency determines that it is confidential and so notifies the state board; provided, however, that the data may be released with the consent of the person who submitted it to the agency from which it was obtained by the state board.

(b) Upon receipt of a request from a member of the public that the state board disclose data claimed to be confidential or if the state board itself seeks to disclose such data, the state board shall inform the individual designated pursuant to Section 91011 by telephone and by mail that disclosure of the data is sought. The person claiming confidentiality shall file with the state board documentation in support of the claim of confidentiality. The documentation must be received within five (5) days from the date of the telephone contact or of receipt of the mailed notice, whichever first occurs. In the case of information submitted pursuant to Health and Safety Code Section 39660(e), the documentation must be received within 30 days of the date notice was mailed pursuant to that section. The deadlines for filing the documentation may be extended by the state board upon a showing of good cause made within the deadline specified for receipt of the documentation.

(c) The documentation submitted in support of the claim of confidentiality shall include the following information:

(1) the statutory provision(s) under which the claim of confidentiality is asserted;  
(2) a specific description of the data claimed to be entitled to confidential treatment;  
(3) the period of time for which confidential treatment is requested;  
(4) the extent to which the data has been disclosed to others and whether its confidentiality has been maintained or its release restricted;  
(5) confidentiality determinations, if any, made by other public agencies as to all or part of the data and a copy of any such determinations, if available; and

(6) whether it is asserted that the data is used to fabricate, produce, or compound an article of trade or to provide a service and that the disclosure of the data would result in harmful effects on the person's competitive position, and, if so, the nature and extent of such anticipated harmful effects.

(d) Documentation, as specified in subsection (c), in support of a claim of confidentiality may be submitted to the state board prior to the time disclosure is sought.

(e) The state board shall, within ten (10) days of the date it sought to disclose the data or received the request for disclosure, or within 20 days of that date if the state board determines that there are unusual circumstances as defined in Government Code Section 6256.1, review the request, if any, and supporting documentation, if received within the time limits specified in subsection (b) above, including any extension granted, and determine whether the data is entitled to confidential treatment pursuant to Government Code Section 6254, 6255 or 6254.7 or other applicable provisions of law and shall either:

(1) decline to disclose the data and, if a request was received, provide to the person making the request and to the person claiming the data is confidential a justification for the determination pursuant to Government Code Section 6255; or

(2) provide written notice to the person claiming the data is confidential and, if a request was received, to

## ATTACHMENT E

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the person requesting the data that it has determined that the data is subject to disclosure, that it proposes to disclose the data, and that the data shall be released 21 days after receipt of the notice by the person claiming confidentiality, unless the state board is restrained from so doing by a court of competent jurisdiction. The state board shall release the data in accordance with the terms of the notice unless so restrained.

(f) Should judicial review be sought of a determination issued in accordance with subsection (e), either the person requesting data or the person claiming confidentiality, as appropriate, may be made a party to the litigation to justify the determination.

NOTE: Authority cited: Section 39601, Health and Safety Code. Reference: Sections 6253, 6254, 6254.7, 6255, 6256, 6256.1, 6258 and 6259, Government Code.

### HISTORY

1. Amendment of subsections (a) and (b) filed 9-28-73; effective thirtieth day thereafter (Register 73, No. 39).
2. Amendment and new NOTE filed 3-18-77; effective thirtieth day thereafter (Register 77, No. 12).
3. Amendment filed 10-5-82; effective thirtieth day thereafter (Register 82, No. 41).
4. Editorial correction of subsection (a) filed 5-7-84; effective thirtieth day thereafter (Register 84, No. 19).
5. Amendment filed 7-10-84; effective thirtieth day thereafter (Register 84, No. 28).