#### Announcements and Deadlines



- Please ask questions in the Q&A box at any time
- Moderators will respond to logistical questions during the webinar
- Presentation content related questions will be answered at the end



- Product Formulator contacts were due January 14<sup>th</sup>
- Completed surveys are due April 8<sup>th</sup>



- The <u>CPRT for Mac OS</u> is available
- FAQ for the survey are on <u>CARB's webpage</u>
- Email the <u>Survey helpbox</u> for Kiteworks link to upload Survey
- <u>Instructions</u> and <u>videos</u> for filling out the Survey are available on the <u>CPRT webpage</u>

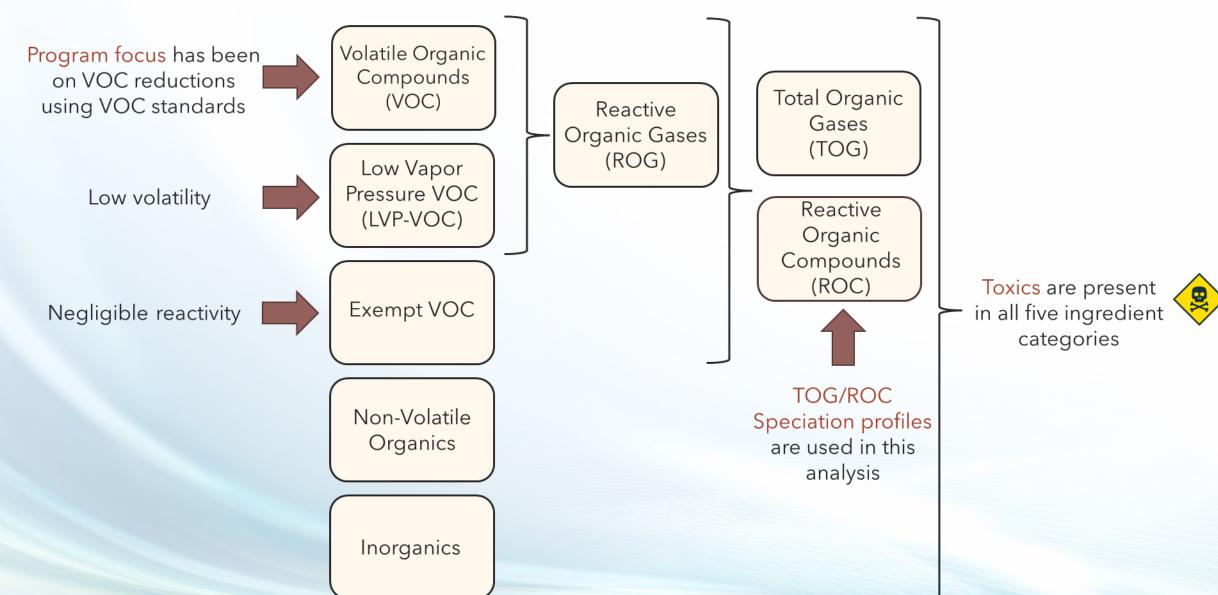




# Consumer Products 2023 Survey Webinar 3: Toxicity Ranking Methodology

January 16, 2025

## Consumer Products Inventory Definitions





## Consumer Products Program

6 Sectors, 451 Survey Categories

All Household and Institutional Products 175 survey categories

Personal Care Products 123 survey categories All Adhesives, Sealants, and Related Products 42 survey categories

Pesticide Products 39 survey categories Vehicle and Marine Vessel Aftermarket Products 39 survey categories Solvents and
Thinning-Related
Products
33 survey categories

Aerosol
Coatings
39 survey
categories

**VOC-Regulated Sectors** 

Reactivity-Regulated Sector



#### Consumer Products Goals and Overview

Primary driver

Regulate categories of consumer products for Volatile Organic Compound (VOC) reductions for ozone control

Prohibit and preempt unintended increases in toxics and GHGs as a result of product reformulation to meet VOC standards

Collect data through surveys



Build consumer products inventory of TOG emissions and speciation



Identify categories with significant VOC emissions



Assess potential VOC reductions in categories



Develop regulations primarily based on VOC limits



Attention to elimination or prohibition of toxics



Schedule driven by State Implementation Plan (SIP)





New Survey launched in 2024

Next Regulation is for 2027

## Toxicity Ranking Project Objectives



- 1. Rank the relative toxicity of
  - Individual Chemicals
  - Survey Categories





2. Evaluate toxicity categories to estimate VOC and OFP reductions for toxic prohibition scenarios





3. Select categories for inclusion in new survey and for regulatory action



# What we are not doing

- Risk and exposure analysis to the general or any specific population group
- Ranking based on acute exposure



#### Data limitations

- Category-specific population characteristics associated with
  - Primary and secondary exposure
  - Use conditions
  - Frequency of use
  - Who is using the products



#### Constraints

- Resources
- Regulatory schedule



## Consumer Products Toxicity Ranking Methodology



Based on EPA Risk-Screening Environmental Indicators Methodology Hazard-based approach









Toxicity Ranking of Categories





Consumer Product Survey Speciation



Identified toxics and their mass







Toxicity Ranking of Chemicals

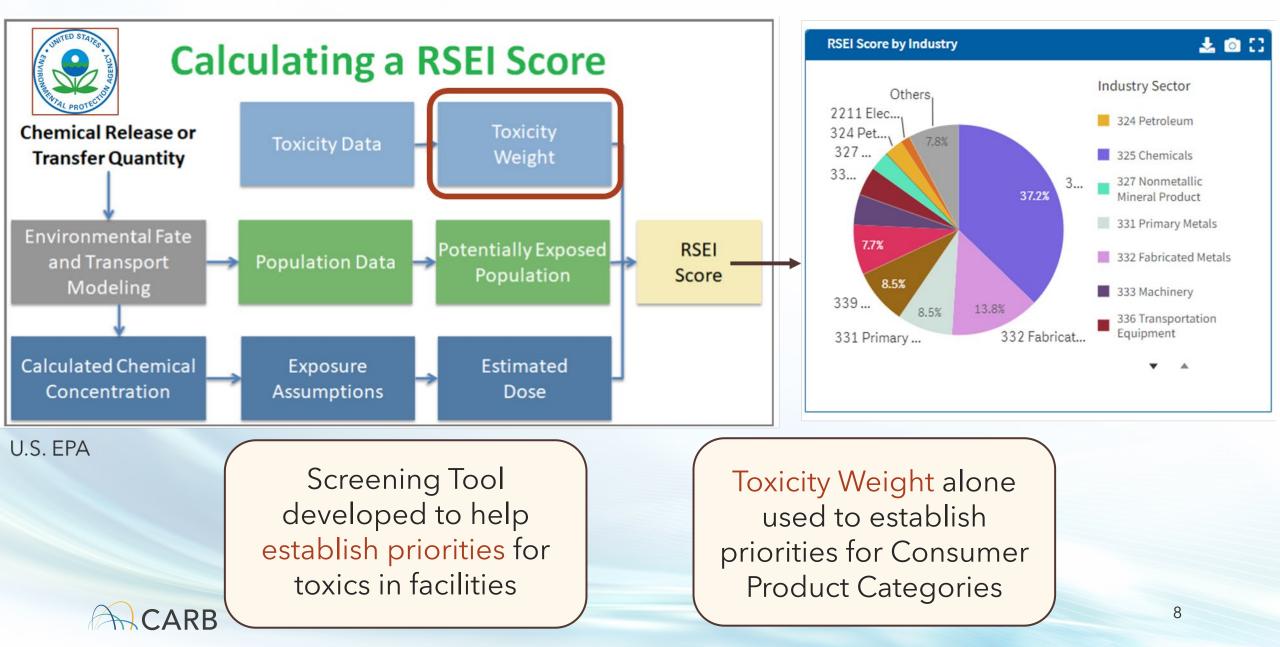




Vetted through Extensive Consultation with OEHHA Toxicologists



## Risk-Screening Environmental Indicators (RSEI)



#### **EPA Toxicity Weights**

HCFC-22

Dioxin

1.4
billion

Less More toxic

- Measure to express the toxicity of one chemical in relation to another
- Can be multiplied with any metric such as emissions or concentrations

- Only addresses chronic human exposure to toxics
- Considers cancer and noncancer effects (reproductive, developmental, neurological, etc.)

#### Risk-related results

Estimated dose

Potentially exposed population

**Toxicity Weight** 

**Toxicity Score** 





- exposure modeling
- population estimates
- population-specific exposure factors
- assumptions



Concentrations from dispersion modeling













#### Hazard-based results

**Emissions** 

**Toxicity Weight** 

**Toxicity Score** 











- No exposure modeling or population estimates are needed
- Does not eliminate categories as a result of exposure pathway and concentration assumptions



# Identifying Toxic Total Organic Gas (TOG) Ingredients

# TOG Ingredients in Consumer Products 724 chemicals

#### Prop 65

- Chemicals known to cause cancer or birth defects or other reproductive harm
- Does not quantify toxicity
- 1000 chemicals

#### **EPA RSEI**

- Includes toxic potency weights for chemicals
- Based on inhalation cancer risk and noncancer reference concentrations
  - 819 chemicals

#### **OEHHA**

- AB2588
- Inhalation cancer risk and noncancer reference concentrations
- Developed to apply to facilities
- 323 chemicals

Toxic TOG Ingredients Merged using CAS#



#### Cancer effects

Inhalation
Unit Risk
(IUR)

1 million
1 extra
people

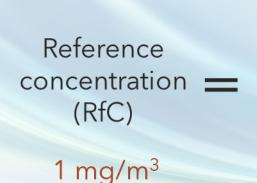
concentration of
1 mg/m³ daily
over 70 years

1 million
1 extra
cancer case

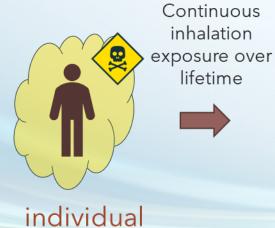
Exposed at a

Expressed as a cancer risk per concentration

#### Non-cancer effects



CARB



No appreciable risk of non-cancer effect

Expressed as
an upper limit
concentration that
would result in no extra
non cancer risk

## Calculating Toxicity Weight

#### **Algorithms for Assigning Toxicity Weights**

	Exposure Route		re Route
		Inhalation	Oral
Type of Effect	Cancer*	IUR / 2.8e-7	OSF/ 1e-6
Type of Effect	Noncancer	3.5 / RfC	1 / RfD

\*If the Weight of Evidence (WOE) Category is equal to C, each weight is divided by an additional factor of 10 to account for uncertainty.

RSEI Methodology Document v2.3.11 (U.S. EPA, 2023)

Toxic potency weights expressed as:

kg bodyweight (mg/day)

#### **Conversion Factors**



Reference human inspiration rate = 20 m<sup>3</sup>/day



Reference human body weight = 70 kg Cancer weight

Noncancer weight Higher weight

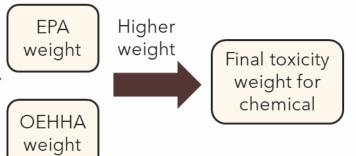
Final toxicity weight for chemical



## Calculated Toxicity Weights of Chemicals

Chemical Name	CAS#	voc	LVP-VOC	Exempt	Final Inhale ToxWeight	Selected ToxWeight Source	ToxicityClass Inhale
2-Chloro-1,3-butadiene	126998	100			1100000	EPA	Concer
Vinyl Chloride	75014	100			280000	OEHHA	Cancer
Benzyl Chloride	100447	100			180000	both	Cancer
Benzene	71432	100			100000	ОЕННА	Cancer
1,2-Dichloroethane	107062	100			93000	EPA	Cancer
Formaldehyde	50000	100			46000	EPA	Cancer
Glutaraldehyde	111308	100			44000	OEHHA	Non-cancer
1-Chloro-4-trifluoromethyl benzene (Parachlorobenzotrifluoric	98566			100	31000	OEHHA	Cancer
1,4-Dioxane	123911	100			28000	ОЕННА	Cancer
Perchloroethylene (Tetrachloroethylene)	127184			100	22000	ОЕННА	Cancer
Trichloroethylene	79016	100			15000	EPA	Cancer
1,3-Dichloropropene	542756	100			14000	EPA	Cancer
n-Propyl Bromide	106945	100			13000	OEHHA	Cancer
Naphthalene	91203	100			12000	both	Cancer
1,1,2-Trichloroethane	79005	100			5700	both	Cancer
Peroxyacetic Acid	79210	100			4500	EPA	Non-cancer
1,4-Dichlorobenzene	106467	100			3900	both	Cancer
Methylene Chloride (Dichloromethane)	75092			100	3600	OEHHA	Cancer
Acrylic Acid	79107	100			3500	EPA	Non-cancer
Butyl Acrylate	141322	100			3500	EPA	Non-cancer
Diethanolamine	111422		100		1200	both	Non-cancer
Ethylbenzene	100414	100			890	both	Cancer
1,2,3-Trimethylbenzene	526738	100			880	ОЕННА	Non-cancer
1,2,4-Trimethylbenzene	95636	100			880	OEHHA	Non-cancer
1,3,5-Trimethylbenzene	108678	100			880	OEHHA	Non-cancer
Trimethylbenzene, mixed isomers	25551137	100			880	OEHHA	Non-cancer
Chloromethane	74873	100			640	EPA	Cancer
Triethylamine	121448	100			500	EPA	Non-cancer
tert-Butyl Acetate	540885	100			460	OEHHA	Cancer
1,2-Butylene Oxide	106887	100			180	both	Non-cancer
Ethylene Glycol Monomethyl Ether	109864	100			180	EPA	Non-cancer
N,N-Dimethylformamide	68122	100			120	EPA	Non-cancer
Ethyl Acrylate	140885	100			73	EPA	Non-cancer
2-Ethoxyethanol	110805	100			50	OEHHA	Non-cancer

WINCHID



61 TOG ingredients with inhalation toxic potency weights

### Top 10 Toxic Chemicals and Categories for Consumer Products

Rank	Chemical Name	Mass (tpd)	Final Toxicity Score
1	Parachlorobenzotrifluoride (PCBTF)	0.32	9853
2	Methylene Chloride (Dichloromethane)	2.18	7861
3	Perchloroethylene (Tetrachloroethylene)	0.26	5676
4	1,4-Dichlorobenzene	0.58	2245
5	Trichloroethylene	0.11	1654
6	Glutaraldehyde	0.01	417
7	Peroxyacetic Acid	0.08	352
8	n-Propyl Bromide	0.02	317
9	Acrylic Acid	0.03	115
10	Ethylene Glycol Monobutyl Ether	2.24	96

Rank	Category Name	Toxics Mass (tpd)	Final Toxicity Score
1	Paint Remover or Stripper	2.79	7557
2	Energized Electrical Cleaner	0.32	6200
3	Thinner/Reducer/Retardant (Motor Vehicle Coating Systems)	0.15	3508
4	Mothballs	0.58	2245
5	Paint Thinner	0.10	2024
6	Sealant or Caulking Compound - Nonchemically Curing	0.27	1900
7	Lacquer Thinner	0.34	1813
8	General Purpose Degreaser	0.06	1024
9	Plastic Pipe Cement and Primer	2.81	390
10	Sanitizer (nonaerosol)	0.10	265



#### Top Toxics have already been Prohibited in Key Categories

Rank	Chemical Name	Mass (tpd)	Final Toxicity Score
1	Parachlorobenzotrifluoride (PCBTF)	0.32	9853
2	Methylene Chloride (Dichloromethane)	2.18	7861
3	Perchloroethylene (Tetrachloroethylene)	0.26	5676
4	1,4-Dichlorobenzene	0.58	2245
5	Trichloroethylene	0.11	1654
6	Glutaraldehyde	0.01	417
7	Peroxyacetic Acid	0.08	352
8	n-Propyl Bromide	0.02	317
9	Acrylic Acid	0.03	115
10	Ethylene Glycol Monobutyl Ether	2.24	96

Prohibited in

43

Consumer Product
Categories

Table 94509 (m)(1)(A). *The California Consumer Products Regulations*. CARB, 2022.



#### EPA Prohibited Methylene Chloride in Paint Strippers in 2019

Rank	Chemical Name	Mass (tpd)	Final Toxicity Score
1	Parachlorobenzotrifluoride (PCBTF)	0.32	9853
2	Methylene Chloride (Dichloromethane)	2.18	7861
3	Perchloroethylene (Tetrachloroethylene)	0.26	5676
4	1,4-Dichlorobenzene	0.58	2245
5	Trichloroethylene	0.11	1654
6	Glutaraldehyde	0.01	417
7	Peroxyacetic Acid	0.08	352
8	n-Propyl Bromide	0.02	317
9	Acrylic Acid	0.03	115
10	Ethylene Glycol Monobutyl Ether	2.24	96

Rank	Category Name	Final Toxicity Score
1	Paint Remover or Stripper	7555.93
2	Plastic Pipe Cement and Primer	255.57
3	Carburetor or Fuel-Injection Air Intake Cleaner	42.38
4	Penetrant	4.60
5	Other sealants and caulks	1.40
6	Wick Lamp Fuel, Scented and Nonscented	1.18
7	Bug and Tar Remover (non-automotive)	0.34
8	Gear, Chain, or Wire Lubricant (nonaerosol)	0.02
9	Multi-purpose Dry Lubricant	0.01
10	Other adhesives	0.00
11	General Use Hand or Body Cleaner or Soap	0.00
12	Dish Detergent/Soap (manual)	0.00
13	Other fabric, carpet, and upholstery care products	0.00
14	Carpet and Upholstery Cleaner (nonaerosol - dilutable)	0.00
15	General Purpose Degreaser (nonaerosol)	0.00



We plan to survey the "Paint Remover or Stripper" category to capture the impact of methylene chloride prohibition by EPA in 2019





# Perc and TCE: Essential Non-Flammable Solvents for Safety

Rank	Chemical Name	Mass (tpd)	Final Toxicity Score
1	Parachlorobenzotrifluoride (PCBTF)	0.32	9853
2	Methylene Chloride (Dichloromethane)	2.18	7861
3	Perchloroethylene (Tetrachloroethylene)	0.26	5676
4	1,4-Dichlorobenzene	0.58	2245
5	Trichloroethylene	0.11	1654
6	Glutaraldehyde	0.01	417
7	Peroxyacetic Acid	0.08	352
8	n-Propyl Bromide	0.02	317
9	Acrylic Acid	0.03	115
10	Ethylene Glycol Monobutyl Ether	2.24	96

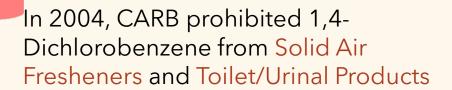
Ran	Category Name	Final Toxicity Score
1	Energized Electrical Cleaner	4746.74
2	General Purpose Degreaser (labeled not for retail sale)	762.92
3	Other vehicle and marine vessel maintenance and repair products	79.42
4	Gear, Chain, or Wire Lubricant (aerosol)	39.29
5	Other solvent and thinning products	30.76
6	General Purpose Cleaner (aerosol)	9.62
7	Single Purpose Cleaner	5.29
8	Penetrant	0.78
9	Gear, Chain, or Wire Lubricant (nonaerosol)	0.31
10	Multi-purpose Lubricant (including solid and semisolid products)	0.31
11	Silicone-based Multi-purpose Lubricant	0.22

	Rank	Category Name	Final Toxicity Score
	1	Energized Electrical Cleaner	592.91
	2	General Purpose Degreaser (labeled not for retail sale)	107.57
	3	Plastic Pipe Cement and Primer	63.10
	4	Single Purpose Cleaner	10.16
	5	General Purpose Degreaser (aerosol)	4.98
	6	Other office supply products	1.96
	7	Other lubricants and penetrants	1.01
	8	Rubbing and Polishing Compound (other than automotive)	0.76
	9	Belt Dressing	0.29
	10	Single Purpose Degreaser	0.21
$\setminus \mid$	11	Silicone-based Multi-purpose Lubricant	0.13
	12	Multi-purpose Lubricant (including solid and semisolid products)	0.00



#### 1,4-Dichlorobenzene in Mothballs

Rank	Chemical Name	Mass (tpd)	Final Toxicity Score
1	Parachlorobenzotrifluoride (PCBTF)	0.32	9853
2	Methylene Chloride (Dichloromethane)	2.18	7861
3	Perchloroethylene (Tetrachloroethylene)	0.26	5676
4	1,4-Dichlorobenzene	0.58	2245
5	Trichloroethylene	0.11	1654
6	Glutaraldehyde	0.01	417
7	Peroxyacetic Acid	0.08	352
8	n-Propyl Bromide	0.02	317
9	Acrylic Acid	0.03	115
10	Ethylene Glycol Monobutyl Ether	2.24	96



Rank	Category Name	Final Toxicity Score
1	Mothballs	2244.78

- CARB does not have the authority to regulate 1,4-Dichlorobenzene as a pesticide in mothballs
- Authority is under the Department of Pesticide Regulation



#### Promote Program's Toxics Priorities

PCBTF is the top ranked toxic among 451 product categories based on the Consumer Products Toxicity Ranking Methodology



Already prohibited in 2021 in 10 categories



Seek to explore prohibiting continued use of PCBTF in categories currently found

<u>l able</u>	94509	(m)(	I)(B)

Rank	Chemical Name	Mass (tpd)	Final Toxicity Score		
1	Parachlorobenzotrifluoride (PCBTF)	0.32	9853		
2	Methylene Chloride (Dichloromethane)	2.18	7861		
3	Perchloroethylene (Tetrachloroethylene)	0.26	5676		
4	1,4-Dichlorobenzene	0.58	2245		
5	Trichloroethylene	0.11	1654		
6	Glutaraldehyde	0.01	417		
7	Peroxyacetic Acid	0.08	352		
8	n-Propyl Bromide	0.02	317		
9	Acrylic Acid	0.03	115		
10	Ethylene Glycol Monobutyl Ether	2.24	96		

1	Rank	Category Name	Final Toxicity Score			
	1	Thinner/Reducer/Retardant (Motor Vehicle Coating Systems)	3508.16			
	2	Paint Thinner (nonaerosol)	2022.73			
	3	Sealant or Caulking Compound Nonchemically Curing	1875.23			
	4	Lacquer Thinner				
	5	Footwear or Leather Care Product (all other forms)				
	6	Multi-purpose Solvent (nonaerosol)	156.53			
	7	Footwear or Leather Care Product (aerosol)	126.71			
	8	Clean Up Solvent	54.80			
	9	Rust Preventative or Rust Control Lubricant (aerosol)	20.83			
	10	Undercoating (aerosol only)	16.88			
	11	Carpet and Upholstery Cleaner (nonaerosol - dilutable)	3.78			
	12	General Purpose Degreaser (aerosol)	3.77			
	13	Metal Polish/Cleanser (aerosol)	1.42			
	14	Cutting or Tapping Oil (aerosol)	1.12			
	15	General Purpose Degreaser (nonaerosol)	1.08			
	16	Spot Remover (nonaerosol)	1.06			
	17	Sealant or Caulking Compound Chemically Curing	0.79			
$\setminus$	18	Multi-purpose Dry Lubricant	0.38			
1	19	Penetrant	0.21			
,						

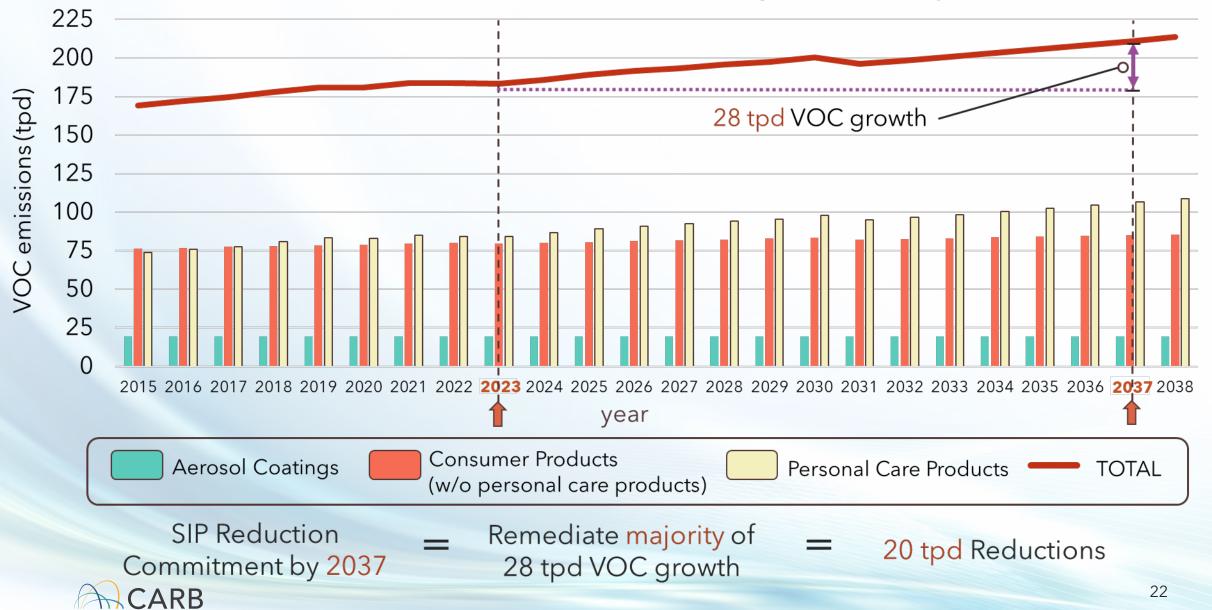


## Parachlorobenzotrifluoride (PCBTF) Distribution

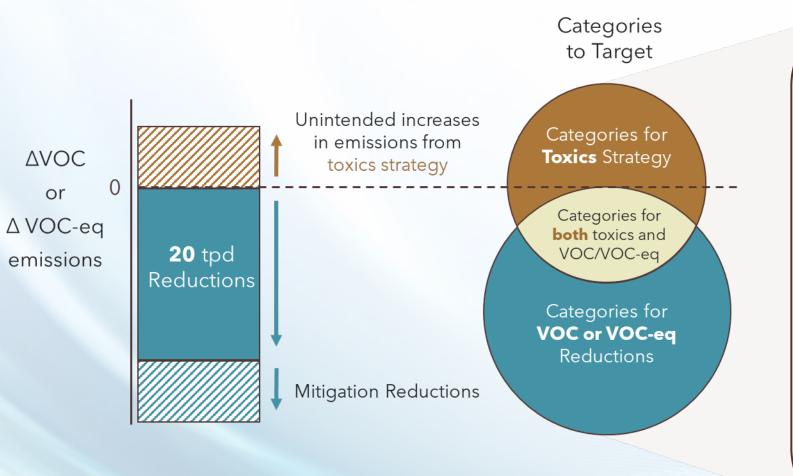
		•	•		
	Category Name	PCBTF Toxicity Score	Category Toxicity Score	PCBTF Percentage (%)	
1	Thinner/Reducer/Retardant (Motor Vehicle Coating Systems)	3508.18	3508.43	99	
2	Paint Thinner (nonaerosol)	2022.73	2023.82	99	
3	Sealant or Caulking Compound Nonchemically Curing	1875.23	1900.45	99	
4	Lacquer Thinner	1807.97	1813.42	99	
5	Footwear or Leather Care Product (all other forms)	223.07	223.22	99	
6	Multi-purpose Solvent (nonaerosol)	156.53	156.70	99	
7	Footwear or Leather Care Product (aerosol)	126.71	127.37	99	
8	Clean Up Solvent	54.80	54.84	99	
9	Rust Preventative or Rust Control Lubricant (aerosol)	20.83	20.84	99	
10	Undercoating (aerosol only)	16.88	17.03	99	
11	Carpet and Upholstery Cleaner (nonaerosol - dilutable)	3.78	11.16	34	
12	General Purpose Degreaser (aerosol)	3.77	14.32	26	
13	Metal Polish/Cleanser (aerosol)	1.42	1.43	99	
14	Cutting or Tapping Oil (aerosol)	1.12	1.14	98	
15	General Purpose Degreaser (nonaerosol)	1.08	14.29	8	
16	Spot Remover (nonaerosol)	1.06	1.64	65	
17	Sealant or Caulking Compound Chemically Curing	0.79	10.96	7	
18	Multi-purpose Dry Lubricant	0.38	0.41	92	
19	Penetrant	0.21	5.62	4	

#### 2022 SIP Commitment

Statewide Consumer Products and Aerosol Coatings VOC Inventory Growth



## Statewide SIP Reduction Commitment by 2037



Detailed Ozone and Toxics Category

Evaluation



Characterize the toxic(s) distribution in products within a category



Understand the toxic ingredient(s) function(s)



Identify alternative ingredient(s) to toxic(s) in existing category products



Evaluate potential unintended impacts of toxic ingredient elimination on category VOC/OFP



Consider the VOC/LVP-VOC/Exempt status and reactivity of toxic(s) and alternative(s)



## How would prohibition of PCBTF affect emissions?

Set A: Products with PCBTF

- # of products
- Sales A
- Sales-Weighted Average VOC mass % A
- Sales-Weighted Average PWMIR A

\*Simplified equations for speciated products

Potential VOC reduction = sales A × (SWA VOC % A - SWA VOC % B) \*

PCBTFcontaining Survey Category

Set B: Products without PCBTF

- # of products
- Sales B
- Sales-Weighted Average VOC mass % B
- Sales-Weighted Average PWMIR B

Potential OFP reduction = sales A × (SWA PWMIR A - SWA PWMIR B) \*

Potential VOC-eq reduction = OFP reduction × 0.351



## PCBTF Elimination: Converting OFP impact to VOC-eq

								· ·		
Catcode	Category Name	Strategy Type	# of products	2037 Sales (tpd)	2037 OFP (tpd)	SWA VOC %	SWA PWMIR	∆ VOC (tpd)	∆ OFP (tpd)	∆ VOC-eq (tpd)
	Thinner/Reducer/Retardant (Motor Vehicle Coating Systems)	with PCBTF	21	0.17	0.03	0.54	0.18		0.09	0.03
60223		without PCBTF	47	0.56	0.41	44.81	0.73	0.07 👚		
		unspeciated	1	0.00	0.00	34.69	0.60			
	Undercoating (aerosol only)	with PCBTF	2	0.01	0.01	38.95	0.83	0.00	0.00	0.00
70117		without PCBTF	32	0.14	0.11	35.42	0.80			
		unspeciated	30	0.43	0.35	35.59	0.81			
		with PCBTF	12	1.64	1.10	0.33	0.67			
60216	Paint Thinner (nonaerosol)	without PCBTF	79	2.34	2.00	19.93	0.85	0.45	0.42	0.15
		unspeciated	29	1.58	1.23	11.83	0.78			
		with PCBTF	148	0.42	0.09	12.50	0.20	_	-0.07	-0.02
10210	Sealant or Caulking Compound Nonchemically Curing	without PCBTF	685	30.18	1.87	0.97	0.06	-0.05		
		unspeciated	401	3.38	0.22	1.13	0.06			
		with PCBTF	12	0.34	0.12	2.57	0.35	0.03	0.07	0.03
60211	Lacquer Thinner	without PCBTF	50	4.21	2.30	10.79	0.55			
		unspeciated	10	0.64	0.34	10.18	0.53			
	Footwear or Leather Care Product (all other forms)	with PCBTF	61	0.08	0.04	54.90	0.46	-0.07	-0.05	-0.02
21303		without PCBTF	542	1.88	0.15	2.24	0.08			
		unspeciated	286	1.20	0.12	4.43	0.10			
		with PCBTF	4	0.09	0.06	0.56	0.64			
60213		88	6.10	2.79	1.55	0.46	0.00	-0.02	-0.01	
		unspeciated	45	1.19	0.55	1.54	0.46			
		with PCBTF	7	0.02	0.02	74.58	0.94		_	
21301	` '	without PCBTF	38	0.31	0.14	35.86	0.45	-0.01	-0.02	-0.01
		unspeciated	62	0.19	0.09	38.15	0.48			
Net VOC and OFP Impacts of PCBTF Elimination					0.43	0.44	0.16			



Reduction in VOC-eq





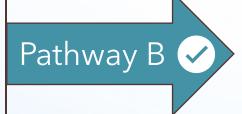


# Two Pathways for Toxics Elimination



Prohibition to Mitigate
Potential Adverse
Environmental Impacts
under CEQA

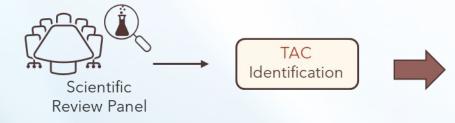
TAC Designation and ATCM Regulation





## TAC Designation and ATCM Regulation

#### Pathway A



CARB evaluates need and appropriate degree of regulation

Example: Para-dichlorobenzene (PDCB)



Regulation prohibiting PDCB in deodorant blocks in 2004



#### Cons:



Lengthier regulatory process



More resource intensive



Involves other Divisions



Relies on data that may not be readily available



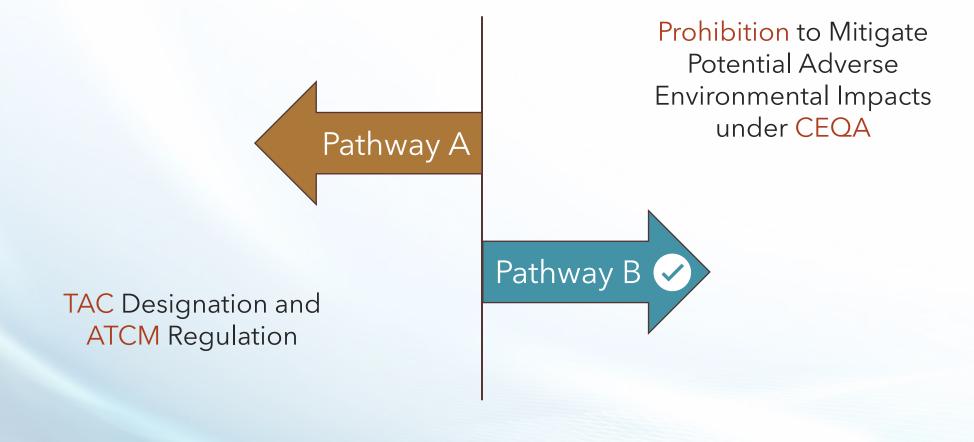
Data gaps in exposure associated populations and pathways



Has not been used since 2004



# Two Pathways for Toxics Elimination





# Prohibition to Mitigate Potential Adverse Environmental Impacts under CEQA





Provide ample scientific evidence implicating a toxic to a significant impact

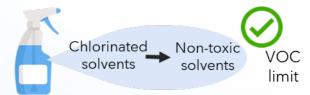


#### **Example: Chlorinated Solvents**

- Methylene chloride (MeCl)
- Perchloroethylene (Perc)
- Trichloroethylene (TCE)
- Very low ozone-forming capability
- Prohibition relied on availability of alternative solvents

## Chlorinated Solvents

- In 2000 and 2004, CARB prohibited the three chlorinated solvents in:
  - Adhesives
  - Cleaners
  - Leather Care Products



Products reformulated with alternative non-toxic solvents to meet new VOC limits

Regulated as
Hazardous Air Pollutants (HAP) by EPA
and
Toxic Air Contaminants (TAC) by CARB



#### PCBTF Timeline



PCBTF is excluded from the definition of VOC by CARB

1997



PCBTF has not been identified as a TAC by CARB

**Present** 

#### December 1994

PCBTF is excluded from the definition of VOC by U.S. EPA

Excluded on the basis that compounds have negligible contribution to tropospheric ozone formation



#### **June 2019**

Listed as a substance "known to the state to cause cancer" under Prop 65

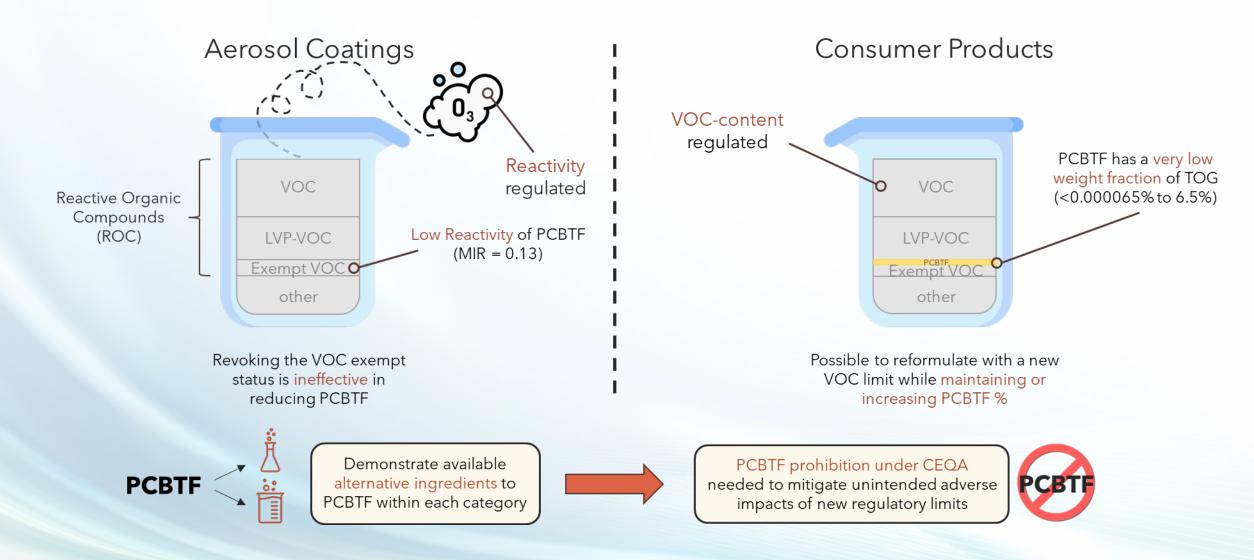
#### August 2020

OEHHA adopted a Cancer Inhalation Unit Risk (IUR) Value





## PCBTF is the top ranked toxic for both





#### **Survey Timeline**



Responsible Parties submit Product Formulator Contact Information to CARB

**January 14, 2025** 



Deadline for Submitting Completed Survey Data for both RP and Formulators

**April 8, 2025** 

December 3, 2024

Survey Launch



**January 16, 2025** 

Toxicity Ranking
Methodology
Webinar







#### **Contact Us**

# Subscribe to the listserv for announcements

https://ww2.arb.ca.gov/ subscribe-consumerproducts-programbulletin

# Request Submission Link and SurveyRelated Questions

Please email the Survey Help Box at 2023CPSurvey@arb.ca.gov

# Program-Related Questions

For general inquiries not related to the survey, please email the general Consumer Products
Program help box at <a href="mailto:csmrprod@arb.ca.gov">csmrprod@arb.ca.gov</a>



#### Questions

#### Written



Type in the Q&A box

OR

#### Verbally



Use the raised hand function (#2 if calling in by phone)



Please state your name and affiliation before asking a question or making a comment

