

1997
CONSUMER AND
COMMERCIAL PRODUCTS
SURVEY

February 28, 1998

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

THIS SURVEY IS MANDATORY.

DUE DATE: MAY 31, 1998

California Environmental Protection Agency
 **Air Resources Board**

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

Mr. David Julian (916) 323-1519

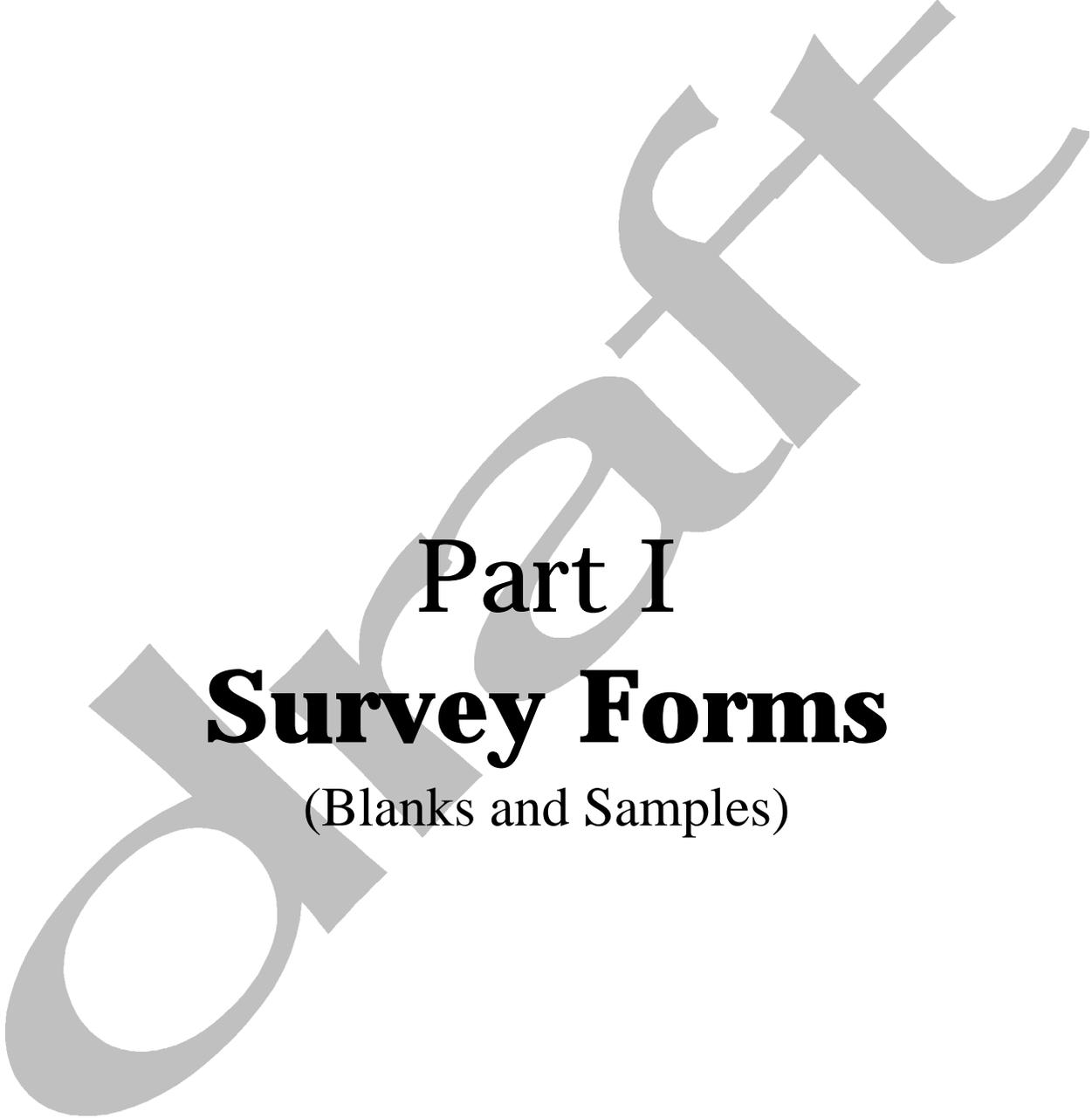
Mr. Paul Milkey (916) 327-1517

Ms. Marline Hicks (916) 324-6997

Ms. Nancy Adams (916) 327-5632

Facsimile number (916) 327-5621

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



Part I
Survey Forms
(Blanks and Samples)

**AIR RESOURCES BOARD
1997 CONSUMER AND COMMERCIAL PRODUCTS SURVEY
COMPANY SHEET**

**Confidential
(yes or no)**

Company Name

Contact Person

Division Name (s)

**Phone
Number**

Fax

Address

**E-mail
Address**

RESPONSIBLE PARTY (YES or NO)
(If no, stop here, and submit this form to ARB)

TYPE OF BUSINESS

(Indicate the appropriate boxes with an "X")

Manufacturer/Marketer	<input type="checkbox"/>
Retailer	<input type="checkbox"/>
Distributor	<input type="checkbox"/>
Private Label Contract Packager	<input type="checkbox"/>
Custom Contract Packager	<input type="checkbox"/>

SIC CODES

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

INDEPENDENT OWNERSHIP

Is your company independently owned (Yes/No)?
If No, please provide parent company information below.

Parent Company Name

Parent Company Address

NATIONWIDE EMPLOYEES CONTRACT EMPLOYEES (USA)

(0) None	<input type="checkbox"/>	(0) None	<input type="checkbox"/>
(1) 1 to 10	<input type="checkbox"/>	(1) 1 to 10	<input type="checkbox"/>
(2) 11 to 100	<input type="checkbox"/>	(2) 11 to 100	<input type="checkbox"/>
(3) 101 to 250	<input type="checkbox"/>	(3) 101 to 250	<input type="checkbox"/>
(4) 251 to 500	<input type="checkbox"/>	(4) 251 to 500	<input type="checkbox"/>
(5) More than 500	<input type="checkbox"/>	(5) More than 500	<input type="checkbox"/>

CALIFORNIA EMPLOYEES CONTRACT EMPLOYEES (CA)

(0) None	<input type="checkbox"/>	(0) None	<input type="checkbox"/>
(1) 1 to 10	<input type="checkbox"/>	(1) 1 to 10	<input type="checkbox"/>
(2) 11 to 100	<input type="checkbox"/>	(2) 11 to 100	<input type="checkbox"/>
(3) 101 to 250	<input type="checkbox"/>	(3) 101 to 250	<input type="checkbox"/>
(4) 251 to 500	<input type="checkbox"/>	(4) 251 to 500	<input type="checkbox"/>
(5) More than 500	<input type="checkbox"/>	(5) More than 500	<input type="checkbox"/>

GROSS ANNUAL RECEIPTS

(1) Less than \$250,000	<input type="checkbox"/>
(2) Between \$250,000 to \$1 million	<input type="checkbox"/>
(3) Between \$1 million and \$10 million	<input type="checkbox"/>
(4) Between \$10 million and \$100 million	<input type="checkbox"/>
(5) More than \$100 million	<input type="checkbox"/>

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 Formulator Sheet

CERTIFICATION

"I hereby certify that, to the best of my knowledge and belief, all information entered on the Company Sheet, Formulator Sheet and Product Sheets is complete and accurate."

Name: _____

Title: _____

Signature: _____

Date Signed: _____

FOR ARB USE ONLY:

Company File Number	<input type="text"/>	Product Number	<input type="text"/>
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**AIR RESOURCES BOARD
1997 CONSUMER AND COMMERCIAL PRODUCTS SURVEY
FORMULATOR SHEET**

**Confidential
(yes or no)**

If you have completed Product Information Sheets for which you do not have the formulation data, please provide the company name, address and contact persons name and phone number in the spaces below.

Product Sheet Number(s)

Formulator Name

Address

Contact Name

Phone Number

Product Sheet Number(s)

Formulator Name

Address

Contact Name

Phone Number

Product Sheet Number(s)

Formulator Name

Address

Contact Name

Phone Number

Product Sheet Number(s)

Formulator Name

Address

Contact Name

Phone Number

Product Sheet Number(s)

Formulator Name

Address

Contact Name

Phone Number

Product Sheet Number(s)

Formulator Name

Address

Contact Name

Phone Number

FOR ARB USE ONLY:

Company File Number

Product Number



AIR RESOURCES BOARD
1996/1997 CONSUMER AND COMMERCIAL PRODUCTS SURVEY

Confidential
(yes or no)

PRODUCT SHEET # _____ of _____

COMPANY AND PRODUCT DATA

Company Name

Formulator Name (If different than Company Name)

Full Product Name

Product Form

Aerosol	<input type="checkbox"/>
Liquid	<input type="checkbox"/>
Pump Spray	<input type="checkbox"/>
Gel, Grease	<input type="checkbox"/>
Solid, Powder	<input type="checkbox"/>
Other	<input type="checkbox"/>

Customer Type

Household	<input type="checkbox"/>
Commercial	<input type="checkbox"/>
Industrial	<input type="checkbox"/>
Hhold. & Comm.	<input type="checkbox"/>
Comm./Industrial	<input type="checkbox"/>
Hhold, Comm, Ind	<input type="checkbox"/>

Category Code

<input type="text"/>	
Hhd%	<input type="text"/>
Com%	<input type="text"/>
Ind%	<input type="text"/>

SALES REPORTING OPTIONS

Option 1 Total CA Sales in Pounds

Option 2 Product Size Distribution Table

Size	CA Units sold	Size Units
#1	<input type="text"/>	Wt Oz <input type="text"/>
#2	<input type="text"/>	Fluid Oz <input type="text"/>
#3	<input type="text"/>	(if fl oz. list one below)
#4	<input type="text"/>	Density, #/gal <input type="text"/>
#5	<input type="text"/>	Density, g/ml <input type="text"/>
#6	<input type="text"/>	Specific Grav. <input type="text"/>

RELATION TO PRODUCT

Manufacturer/Marketer	<input type="checkbox"/>	Retailer	<input type="checkbox"/>
Private Label Packager	<input type="checkbox"/>	Distributor	<input type="checkbox"/>
Custom Contract Packager	<input type="checkbox"/>		

Concentrate

DILUTION RATIOS

Diluent

Example: Add 3 quarts product to 5 gallons diluent.

Minimum Dilution

Product Amt	<input type="text"/>	thp	cup	pint	quart	ga/	oz	ml	liter	pan
Diluent Amt	<input type="text"/>									

Maximum Dilution

Product Amt	<input type="text"/>	tap	cup	pint	quart	gal	oz	ml	liter	part
Diluent Amt	<input type="text"/>									

INGREDIENT INFORMATION

VOC SPECIATION TABLE

	VOC Name	CAS #	Wt %
#1	<input type="text"/>	<input type="text"/>	<input type="text"/>
#2	<input type="text"/>	<input type="text"/>	<input type="text"/>
#3	<input type="text"/>	<input type="text"/>	<input type="text"/>
#4	<input type="text"/>	<input type="text"/>	<input type="text"/>
#5	<input type="text"/>	<input type="text"/>	<input type="text"/>
#6	<input type="text"/>	<input type="text"/>	<input type="text"/>
#7	<input type="text"/>	<input type="text"/>	<input type="text"/>
#8	<input type="text"/>	<input type="text"/>	<input type="text"/>
#9	<input type="text"/>	<input type="text"/>	<input type="text"/>
#10	<input type="text"/>	<input type="text"/>	<input type="text"/>
Total VOC Ingredients each less than 0. 1% of the product			<input type="text"/>

EXEMPT AND INORGANIC COMPOUNDS

	Wt. %
Parachlorobenzotrifluoride	<input type="text"/>
Methylene Chloride	<input type="text"/>
1,1, 1-Trichloroethane	<input type="text"/>
Volatile Methyl Siloxanes	<input type="text"/>
Acetone	<input type="text"/>
Carbon Dioxide	<input type="text"/>
HFC-1 52a	<input type="text"/>
Water	<input type="text"/>
Perchloroethylene	<input type="text"/>
All Other Exempt Compds	<input type="text"/>
All Other Inorganic Compds..	<input type="text"/>

(A) Total LVP VOC Content

(B) Total VOC Content (Sum of above)

(C) Total Exempt/Inorganic (Sum of above)

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

FOR ARB USE ONLY:

Company File Number

Product Number

B

PRODUCT SHEET # _____ of _____ (responsible party copy)

COMPANY AND PRODUCT DATA

Company Name

Formulator Name (If different than Company Name)

Full Product Name

Product Form

Aerosol	<input type="checkbox"/>
Liquid	<input type="checkbox"/>
Pump Spray	<input type="checkbox"/>
Gel, Grease	<input type="checkbox"/>
Solid, Powder	<input type="checkbox"/>
Other	<input type="checkbox"/>

Customer Type

Household	<input type="checkbox"/>
Commercial	<input type="checkbox"/>
Industrial	<input type="checkbox"/>
Hhold. & Comm.	<input type="checkbox"/>
Comm./Industrial	<input type="checkbox"/>
Hhold, Comm, Ind	<input type="checkbox"/>

Category Code

<input type="text"/>	
Hhd%	<input type="text"/>
Com%	<input type="text"/>
Ind%	<input type="text"/>

SALES REPORTING OPTIONS

Option 1 Total CA Sales in Pounds

Option 2 Product Size Distribution Table

Size	CA Units sold	Size Units
#1	<input type="text"/>	Wt Oz <input type="text"/>
#2	<input type="text"/>	Fluid Oz <input type="text"/>
#3	<input type="text"/>	(if fl oz. list one below)
#4	<input type="text"/>	Density, #/gal <input type="text"/>
#5	<input type="text"/>	Density, g/ml <input type="text"/>
#6	<input type="text"/>	Specific Grav. <input type="text"/>

RELATION TO PRODUCT

Manufacturer/Marketer

Retailer

Private Label Packager

Distributor

Custom Contract Packager

Concentrate

DILUTION RATIOS

Example: Add 3 quarts product to 5 gallons diluent.

Diluent

Minimum Dilution

tbp cup pint quart ga/ oz ml liter part

Product Amt

<input type="text"/>
<input type="text"/>

<input type="text"/>									
<input type="text"/>									

Maximum Dilution

tbp cup pint quart ga/ oz m/ liter part

Product Amt

<input type="text"/>
<input type="text"/>

<input type="text"/>									
<input type="text"/>									

INGREDIENT INFORMATION

VOC SPECIATION TABLE

VOC Name	CAS	Wt%
#1	<input type="text"/>	<input type="text"/>
#2	<input type="text"/>	<input type="text"/>
#3	<input type="text"/>	<input type="text"/>
#4	<input type="text"/>	<input type="text"/>
#5	<input type="text"/>	<input type="text"/>
#6	<input type="text"/>	<input type="text"/>
#7	<input type="text"/>	<input type="text"/>
#8	<input type="text"/>	<input type="text"/>
#9	<input type="text"/>	<input type="text"/>
#10	<input type="text"/>	<input type="text"/>
Total VOC Ingredients each less than 0.1% of the product		<input type="text"/>

(A) Total LVP VOC Content

(B) Total VOC Content
(Sum of above)

EXEMPT AND INORGANIC COMPOUNDS

	Wt %
Parachlorobenzotrifluonde	<input type="text"/>
Methylene Chloride	<input type="text"/>
1,1,1-Trichloroethane	<input type="text"/>
Volatile Methyl Siloxanes	<input type="text"/>
Acetone	<input type="text"/>
Carbon Dioxide	<input type="text"/>
HFC-152a	<input type="text"/>
Water	<input type="text"/>
Perchloroethylene	<input type="text"/>
All Other Exempt Comps	<input type="text"/>
All Other Inorganic Comps.	<input type="text"/>

(C) Total Exempt/Inorganic
(Sum of above)

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

FOR ARB USE ONLY:

Company File Number

Product Number

COMPANY AND PRODUCT DATA

Company Name

Formulator Name (If different than Company Name)

Full Product Name

Product Form

Aerosol	<input type="checkbox"/>
Liquid	<input type="checkbox"/>
Pump Spray	<input type="checkbox"/>
Gel, Grease	<input type="checkbox"/>
Solid, Powder	<input type="checkbox"/>
Other	<input type="checkbox"/>

Customer Type

Household	<input type="checkbox"/>
Commercial	<input type="checkbox"/>
Industrial	<input type="checkbox"/>
Hhold. & Comm.	<input type="checkbox"/>
Comm./Industrial	<input type="checkbox"/>
Hhold, Comm, Ind	<input type="checkbox"/>

Category Code

<input type="text"/>
Hhd% <input type="text"/>
Com% <input type="text"/>
Ind% <input type="text"/>

SALES REPORTING OPTIONS

Option 1 Total CA Sales in Pounds

Option 2 Product Size Distribution Table

Size	CA Units sold	Size Units
#1	<input style="width: 50px;" type="text"/>	Wt Oz <input style="width: 50px;" type="text"/>
#2	<input style="width: 50px;" type="text"/>	Fluid Oz <input style="width: 50px;" type="text"/>
#3	<input style="width: 50px;" type="text"/>	(if fl oz. list one below)
#4	<input style="width: 50px;" type="text"/>	Density, #Gal <input style="width: 50px;" type="text"/>
#5	<input style="width: 50px;" type="text"/>	Density, g/ml <input style="width: 50px;" type="text"/>
#6	<input style="width: 50px;" type="text"/>	Specific Grave <input style="width: 50px;" type="text"/>

RELATION TO PRODUCT

Manufacturer/Marketer	<input type="checkbox"/>	Retailer	<input type="checkbox"/>
Private Label Packager	<input type="checkbox"/>	Distributor	<input type="checkbox"/>
Custom Contract Packager	<input type="checkbox"/>		

Concentrate

DILUTION RATIOS

Example: Add 3 quarts product to 5 gallons diluent.

Diluent

Minimum Dilution

Product Amt	<input style="width: 40px;" type="text"/>	<i>thp cup pint quart gal or ml liter part</i>										
Diluent Amt	<input style="width: 40px;" type="text"/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td><input style="width: 20px;" type="text"/></td><td><input style="width: 20px;" type="text"/></td></tr> </table>	<input style="width: 20px;" type="text"/>									
<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>			

Maximum Dilution

Product Amt	<input style="width: 40px;" type="text"/>	<i>tap cup pint quart gal oz ml liter part</i>										
Diluent Amt	<input style="width: 40px;" type="text"/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td><input style="width: 20px;" type="text"/></td><td><input style="width: 20px;" type="text"/></td></tr> </table>	<input style="width: 20px;" type="text"/>									
<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>			

INGREDIENT INFORMATION

VOC SPECIATION TABLE

VOC Name	CAS #	Wt%
#1	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
#2	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
#3	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
#4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
#5	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
#6	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
#7	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
#8	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
#9	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
#10	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
Total VOC Ingredients each less than 0.1% of the product		<input style="width: 100%;" type="text"/>

EXEMPT AND INORGANIC COMPOUNDS

Wt. %	Wt. %
Parachlorobenzotrifluoride	<input style="width: 100%;" type="text"/>
Methylene Chloride	<input style="width: 100%;" type="text"/>
1,1,1-Trichloroethane	<input style="width: 100%;" type="text"/>
Volatile Methyl Siloxanes	<input style="width: 100%;" type="text"/>
Acetone	<input style="width: 100%;" type="text"/>
Carbon Dioxide	<input style="width: 100%;" type="text"/>
HFC-152a	<input style="width: 100%;" type="text"/>
Water	<input style="width: 100%;" type="text"/>
Perchloroethylene	<input style="width: 100%;" type="text"/>
All Other Exempt Compds	<input style="width: 100%;" type="text"/>
All Other Inorganic Compds.	<input style="width: 100%;" type="text"/>

(A) Total LVP VOC Content

(B) Total VOC Content (Sum of above)

(C) Total Exempt/Inorganic (Sum of above)

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

FOR ARB USE ONLY:

Company File Number

Product Number

ELECTRONIC DATA SUBMITTAL FORM

To simplify and streamline the data gathering process, we have made the Product Information Sheet of the survey available electronically. You can download the program from the Internet or we can send you a disk if you complete this form and return it to us by fax. The program is self-executable, and requires Windows 3.1 or Windows 95. If you choose to submit your survey electronically, you must still complete and submit a hard copy of the Company Information Sheet to the ARB.

Internet Access: Go to the California Air Resources Board Home Page at <http://www.arb.ca.gov>. Click on "CARB Programs and Information Resources," "Consumer Products Program," and finally on "Consumer Products Survey" under the "Measures Development and Subgroup Activities" heading.

If you would like us to send you a diskette with the program, please complete the form below.

CALIFORNIA AIR RESOURCES BOARD
Stationary Source Division
2020 L Street
Sacramento, CA 95814

Attention: David Julian, Measures Development Section
Phone Number: (916) 323-1519
Fax Number: (916) 327-5621

Date: _____

Name: _____

Company: _____

Phone Number: _____

Fax Number: _____

Mailing Address: _____

Note: Please send me a disk so that I may complete and submit the 1997 Consumer and Commercial Products Survey electronically.

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: _____ declares that all the information submitted in response to the California Air Resources Board's information request on the mid-term measures survey 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)	_____

Part II

**Survey Overview
and Instructions**

SURVEY OVERVIEW AND INSTRUCTIONS

The Air Resources Board's (ARB) Consumer Products Survey is intended to collect information about the consumer product categories listed in Attachment A that were sold for use in California in calendar year 1997. **You must complete this survey if you are the *responsible party* for any product listed in Attachment A.** The *responsible party* is the company, firm or establishment which is listed on the label.

We would like to emphasize that this survey is intended to collect information for emissions inventory purposes about *consumer and commercial products* (products used by household, commercial and institutional consumers), as well as products that are sold for consumer, commercial, institutional, and industrial uses concurrently. All consumer and commercial products which fall into categories in Attachment A must be reported, regardless of whether a product has been exempted from regulation.

For the purposes of this survey only, the term “**commercial**” is used rather than “**institutional**.” The term “commercial” has the same definition as “institutional,” but we feel that “commercial” better fits how many companies view their products.

With the exception of industrial aerosol adhesives, this survey is not intended to collect information about products sold and used exclusively as *industrial products* (products designed and labeled exclusively for use in the manufacturing of goods or commodities) or *agricultural use pesticides*.

This survey includes three components; the **Company Sheet**, the **Formulator Sheet** and the **Product Sheet**. We appreciate your time in reading the instructions and completing this survey. If you have any questions, please do not hesitate to call Mr. David Julian at (916) 323-1519 or any of the staff listed in the Table of Contents.

Survey Due Date

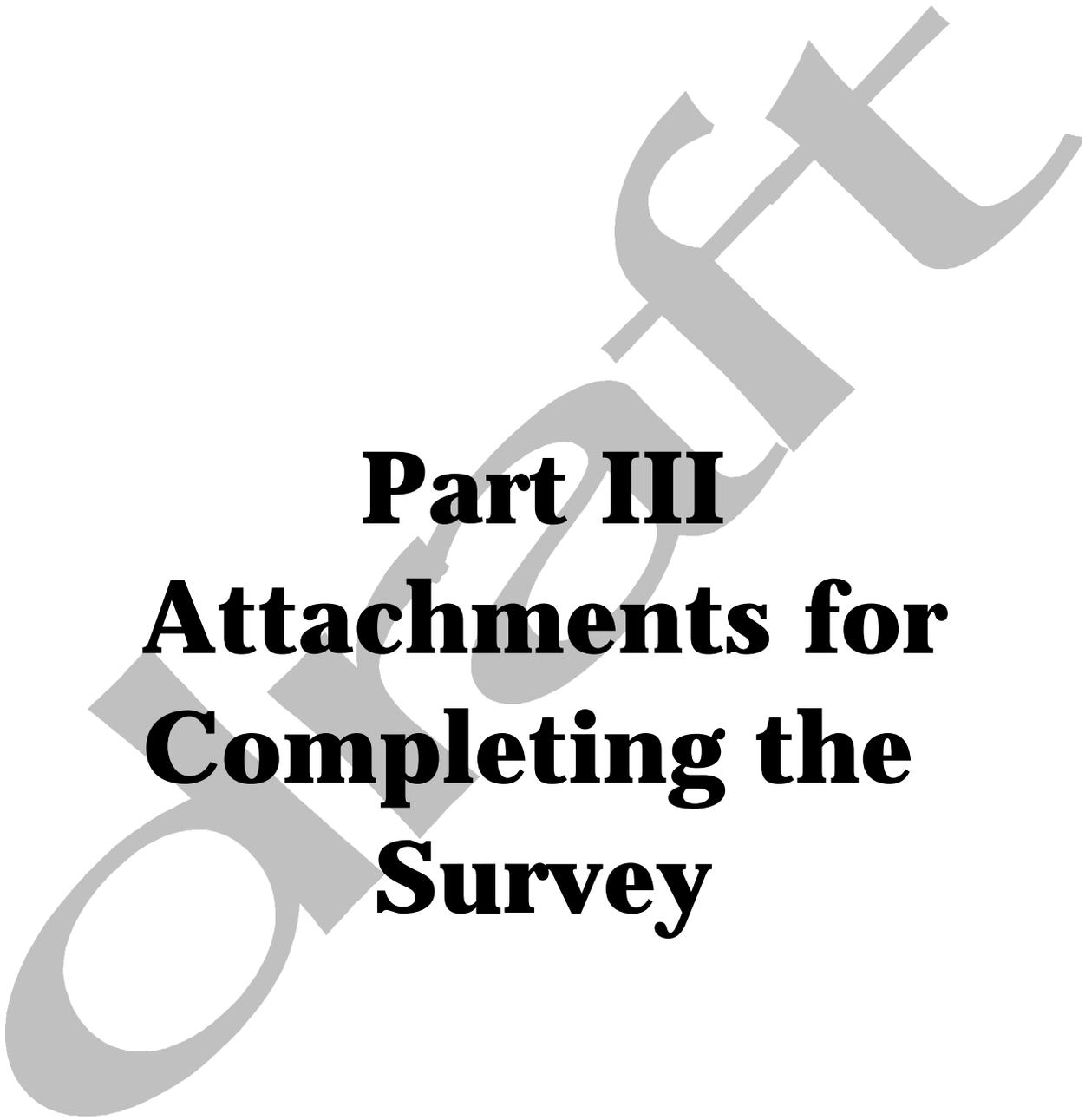
This survey is due **May 31, 1998**. Once it is completed, please send it to:

California Air Resources Board
Stationary Source Division
2020 L Street
P.O. Box 2815
Sacramento, CA 95812
Attn: Measures Development Section
CONFIDENTIAL MATERIALS ENCLOSED

Electronic Data Submittal

To simplify and streamline the data gathering process, we have made the Product Sheet of the survey available electronically. If you prefer to submit the survey forms electronically, please see the Electronic Submittal Form in Part I for information about how to obtain a disk or download the survey from the Internet. To access the survey on the World Wide Web go to the California Air Resources Board Home Page at <http://www.arb.ca.gov>. When you get on our

Italicized words are defined in Attachment D.



Part III
Attachments for
Completing the
Survey

ATTACHMENT A
ADHESIVES AND SEALANTS
Adhesives

<u>Code</u>	<u>Product Category</u>
1101	Arts and Crafts Adhesives
1102	Automotive Adhesives
1103	Carpet and Tile Adhesives
1104	Construction and Panel Adhesives
1105	Contact Adhesive
1106	General Purpose Adhesive
1107	Industrial Aerosol Adhesive
1108*	Pipe Cements and Primers
1109	Woodworking Glues

Sealants

<u>Code</u>	<u>Product Category</u>
1201*	Caulking Compounds
1202	Cold Process Roof Cements
1203*	Wood Fillers

AUTOMOTIVE AFTERMARKET PRODUCTS
Auto Detailing Products

<u>Code</u>	<u>Product Category</u>
2101*	Bug and Tar Removers
2102*	Carpet Cleaners
2103*	Glazes
2104*	Hard Paste Waxes
2105*	Instant Detailers
2106*	Rubber and Vinyl Protectants
2107*	Rubbing and Polishing Compounds
2108*	Semisolid Waxes
2109*	Tire Cleaners
2110*	Upholstery Cleaners
2111*	Vinyl and Leather Cleaners
2112*	Wheel Cleaners

Auto Repair Products

<u>Code</u>	<u>Product Category</u>
2201	Battery Terminal Cleaners
2202	Brake Cleaners
2203	Carburetor, Choke Cleaners
2204	Engine Degreasers
2205*	Solvent Parts Cleaner
2206*	Tire Sealants and Inflators
2207*	Undercoatings
2208	Windshield Washer Fluids

COATING RELATED PRODUCTS
Miscellaneous Coating Related Products

<u>Code</u>	<u>Product Category</u>
3101*	Brush Cleaners
3102*	Graffiti Removers
3103*	Multipurpose Solvents
3104*	Paint Removers
3105*	Paint Thinners

* Category surveyed in Mid-term Measures (See Page 5 of Instructions)

ATTACHMENT B

SIC CODES FOR CONSUMER AND COMMERCIAL PRODUCTS SURVEY

Note: nec means “not elsewhere classified.”

I. For companies which **manufacture** their own products:

<u>Code*</u>	<u>Description</u>	<u>Examples</u>
2026	Fluid Milk	aerosol whipped cream
2079	Edible fats and oils, nec	aerosol nonstick pan sprays
2834	Pharmaceutical preparations	Prescription and OTC Drugs
2841	Soap and other detergents	laundry detergent
2842	Specialty cleaning, polishing & sanitation preparations	floor wax, disinfectant, degreasers
2843	Surface active agents, finishing agents, sulfonated oils, & assistants	penetrants
2844	Perfumes, cosmetics & other toilet preps.	hairspray, deodorant, toothpaste
2851	Paints and allied products	paint thinner, paint remover, putty
2861	Gum and wood chemicals	turpentine, methanol
2879	Pesticides and agricultural chemicals, nec	household insecticides & herbicides
2891	Adhesives and sealants	caulking
2893	Printing ink	duplicating ink
2899	Chemical preparations, nec	antifreeze
2992	Lubricating oils and greases	brake fluid, cutting oils
3951	Pens, mechanical pencils, and parts	ball-point pen refills
3952	Lead pencils, crayons, and artists' matls.	drawing ink

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

II. For companies which **do not** manufacture their own products:

<u>Code**</u>	<u>Description</u>	<u>Examples</u>
5112	Stationary and office supplies	Photocopy supplies, pens
5122	Drugs, drug proprietaries, sundries	hairspray, perfume, antiseptics
5149	Groceries, and related products, nec	aerosol whipped cream
5169	Chemicals and allied products, nec	laundry soap, polishes, turpentine
5198	Paints, varnishes, and supplies	shellac, varnish, enamel
5199	Nondurable goods, nec	artists' materials

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

DEFINITIONS

“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.

“Agricultural Use” means the use of any pesticide or method or device for the control of pests in connection with the commercial production, storage or processing of any animal or plant crop. “Agricultural Use” does not include the sale or use of pesticides in properly labeled packages or containers which are intended for: (A) Home use, (B) Use in structural pest control, or (C) Industrial or Institutional use. For the purposes of this definition only:

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

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

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

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

“Concentrate” means a product that is designed to be diluted with water or some other liquid by the end user.

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

“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 does 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.

ATTACHMENT E

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

United States Total = 265,284

State	Thousands	State	Thousands
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 F**CHEMICAL ABSTRACT SERVICE (CAS) NUMBERS AND SYNONYMS**

The following list of compounds and their associated CAS numbers was compiled from the U.S. EPA 1990 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. In addition to the VOC's from the EPA Survey, exempt compounds, LVP-VOC's and inorganic compounds have been added to the list.

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 obtain the CAS number from their supplier if possible. 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 #

CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
#2 Diesel Fuel	68476346
2-(Ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane	163702065
2-(Difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane	163702087
(MCPD) Dimethylamine salt	32351705
1,1,1,2,2,3,3,4,4-nonfluoro-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 (Methyl chloroform; 1,1,1-TCA, Aerothene TT)	71556
1,1,1-trichloroethane	79016
1,1,1-Trifluoro-2,2-dichloroethane (HCFC-123)	306832
1,1,1-Trifluoroethane (HFC-143a)	420462
1,1,2,2,3-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-bromoacetoxy-2-butene	20679587
1,4-Butanediol diglycidyl ether (1,4-Diglycidylbutane)	2425798
1,4-Dichlorobenzene (p-Dichlorobenzene)	106467
1,4-Diglycidylbutane (See 1,4-Butanediol diglycidyl ether)	2425798
1,4-Dioxane	123911
1,6-Diisocyanohexane	822061
1-(2-Butoxyethoxy)-2-Propanol	124163
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

CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
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
12-Hydroxy Octadecanoic Acid	3159624
12-Hydroxy Octadecanoic Acid Methyl Ester	141131
12-Hydroxy Octadecanoic Acid Monolithium Salt	7620771
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
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 ((CF ₃) ₂ CF ₂ CF ₂ OCH ₃)	163702087
2-(Ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane ((CF ₃) ₂ CF ₂ CF ₂ OCH ₂ H ₅)	163702065
2-(Methylethoxy)Phenol Methylcarbamate	114261
2-(Tert-butylamino)-4-Chloro-6-Ethylamino-s-triazi	5915413
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 Ethanoxpropionate (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

CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
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
2251 Oil (or 2263 Oil @ 64742-47-8)	64742149
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
9-Octadecenoic Acid (Z) Ammonium Salts	544605
99.5% Monochlorotoluene (See Chlorotoluene (ortho))	95498
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	64742963
Aliphatic Hydrocarbon	64742977
Aliphatic Hydrocarbon	64771728
ALIPHATIC HYDROCARBON	64741657
ALIPHATIC HYDROCARBON	64742899
Aliphatic Hydrocarbon (Stoddard Type) (See Stoddard solvent)	8052413
Aliphatic Petroleum Distillate	64742967
Aliphatic Petroleum Distillate	64742967
Aliphatic Petroleum Distillate	64742887
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

CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
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 BLEND	68477316
Aromatic Hydrocarbon Solvent	64741680
AROMATIC HYDROCARBON SOLVENT	68477316
Aromatic Petroleum Distillate	64741986
AROMATIC PETROLEUM DISTILLATE	68477316
Aromatic Petroleum Distillates	64742907
AROMATIC PETROLEUM SOLVENT	68477316
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 Sulfinate	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	61789400
Betaine	61789400
Betaine	64789400
Bismuth Octoate	67874719
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

CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
Butyl glycidyl ether (1,2-Epoxy-3-butoxypropane)	2426086
Butylene Glycol (See 1,3-Butylene Glycol)	107880
Butyrolactone (gamma)	96480
C-8/C-10 Alcohol	68603156
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 Alpha Olefin	25378227
C12-C15 Ethoxylated Alcohol	68131395
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-nonfluorobutane)	163702054
C4F9OCH3 (1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxy-butane)	163702076
c6-oxo Alcohol Acetate	88230357
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
Cocamidopropyl Amino Betane	61789400
Coco Diethanolamide	67785131
Coco Diethanolamide	67785131
Coco Diethanolamide-sulfonate	67785119

CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
Coco Diethanolamide-sulfonate	67785119
Cocoamidopropyl Amine Oxide 35%	68155099
COCOAMIDOPROPYL AMINE OXIDE 35%	68155099
Cocoamidopropyl Betaine	70851079
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	69430246
Cyclomethicone (DC 244)	69430246
Cyclomethicone (DC245/345)	69430246
CYCLOMETHICONE TETRAMER	69430246
Cythion Insecticide Concentrate (See Malathion)	121755
d-Limonene	68647723
D-Limonene	68917577
D-LIMONENE	58917577
D-Limonene (D-1-Methyl-4-iso-propenylcyclohexene)	5989275
D-Tert Butyl Phenyl Glycidyl Ether	3101608
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	64742967
Deodorized Kerosene (See Kerosene)	8008206
DETA (See Diethylenetriamine)	111400
Dexpanthenol	81130
Di(2-Ethylhexyl Phthalate)	117817
Di-iso-propyl adipate (Hexanedioic acid, bis (1-methylhexyl))	6938949
Diacetone Alcohol (4-Hydroxy-4-Methyl-2-Pentanone)	123422
Dialkyl methyl benzylammonium chloride	73049759
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
Diethanolamine	111422
Diethyl Ether	60297
Diethylamine Salt of 2,4-dichlorophenoxy acetic acid (See 2,4-Dichlorophenoxy acetic acid d	2008391
Diethylamine salt of 2,4-Dichlorophenoxyacetic acid (See 2,4-Dichlorophenoxyacetic acid)	94757
Diethylaminoethanol	100378
Diethylene Glycol	111466
Diethylene Glycol	114666
Diethylene glycol butyl ether	112345
Diethylene Glycol Butyl Ethers	111981
Diethylene Glycol Diethyl Ether (DEGDEE)	112367

CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
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
Diffluoroethane (See 1,1-Difluoroethane) (HFC-152a)	75376
Difluoromethane (HFC-32)	75105
Diglycolamine	929066
Dihydroxy Acetone	96264
Diisobutyl Ketone	108838
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
Di[2-ethylhexanoate] (See Tetraethylene glycol)	18268707
DL-Limonene	7705148
DME (See Dimethyl Ether)	115106
Dodecane	112403
Dodecyl Benzene Sulfonic Acid	27176870
Dodecyl Benzene Sulfonic Acid	27176870
Dodecylbenzene Sulfonate	27176870
Dodecylbenzene Sulfonate	27176870
Dodecylbenzene Sulfonic Acid	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
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

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Chemical Name	CAS #
Emcol 14	71012107
Epoxydized Soybean Oil (See Soya bean oil)	8013078
Epoxy Resin	28064144
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 C12-15	68131395
Ethoxylated Alcohol C12-16	68551122
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-Ethandiol)	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-Butoxyethanol)	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 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
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

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Chemical Name	CAS #
Gantrez ES224	25087063
Gantrez ES225	25087063
Glutaraldehyde (Pentanedial)	111308
Glutaric acid dimethyl ester (See Dimethyl glutarate)	1119400
Glycereth-7	31694550
Glycereth-7	31694550
Glycerin (See 1,2,3-Propanetriol)	56815
Glyceryl Thioglycolate	30618849
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
Hamposyl 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 Alkylate Naphtha	64742657
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 1,1,1,2,3,3,3-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

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Chemical Name	CAS #
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 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
Isopropyl Isosterate	68171335
Isopropylamine	75310
Isopropylcyclohexane	696297
Kaydol Mineral Oil (See Paraffin oil)	8012951
KD COCO AMIDE	61791319
kerosene	80082061
Kerosene	8008206
Kerosene	64742810
KEROSENE	64642478
Kerosene	9002059
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

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Chemical Name	CAS #
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	8001261
LINSEED OIL	68001261
Liquid Petroleum Propellant	68476889
Liquified Petroleum Gas	68476857
LPA Petroleum Distillate	68551188
Lubricating Oil	64642525
M-Cresol (See Cresol (meta))	108394
M-Pyrol (Methyl pyrrolidine)	120945
m-Pyrol (See 1-Methyl-2-Pyrrolidinone)	872504
Malathion	121755
Malathion - Technical (See Malathion)	121755
Malathion TE (See Malathion)	121755
Malic acid (Hydroxysuccinic acid)	6915157
Manalox Resin	13419153
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	49120
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 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 DIHYDROXYETHYLISOTRIDEDECYLOXYPROPYL 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 n-Propyl Ketone (See 2-Pentanone)	107879
METHYL NAPHTHALENE	65996794
Methyl Nonyl Ketone	112129
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

CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
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	64741964
Mineral Oil	64742650
Mineral Oil	64742650
MINERAL OIL	64742525
Mineral oil, white (Carnea oil)	8020835
Mineral oil, white (Slab Oil)	8042475
Mineral Seal Oil	64741442
Mineral Seal Oil	64742309
Mineral Seal Oil	64742467
Mineral Seal Oil	64742809
MINERAL SEAL OIL	64741657
mineral spirits	80524137
Mineral spirits	62742887
Mineral spirits	68513031
Mineral Spirits	64475850
Mineral Spirits	64741324
Mineral Spirits	64741442
Mineral Spirits	64741657
Mineral Spirits	64742428
Mineral Spirits	64742488
Mineral Spirits	64742897
Mineral Spirits	64748478
Mineral Spirits	64761419
Mineral Spirits	80542413
Mineral Spirits	64742442
MINERAL SPIRITS	64642887
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
MODIFIED POLYETHOXYLATED ALCOHOL	70321561
Molybdate Orange	12656858
mono-Chlorotoluene (See Chlorotoluene)	25168052
Monochlorobenzene (See Chlorobenzene)	108907
Monochlorotoluene (See Chlorotoluene)	25168052
Monoethanolamine (See Ethanolamine)	141435
Monosodium Acid Methanearsonate (MSMA)	2163806
Morpholine	110918
Morpholine	68855547
MSMA (See Monosodium Acid Methanearsonate)	2163806
MTBE (See Methyl Tertiary Butyl Ether)	1634044
N,N-Diethyl-M-Toluamide (DEET)	134623
N,N-Dimethyl-p-Toluidine	99978
N,N-Dimethylformamide (See Dimethyl formamide)	68122
N-(1-Ethylpropyl -3,4-Dimethyl 2,6-Dinitrobenzenam	40487421
N-Alkyl Dimethyl Benzyl Ammonium Chloride	68424851
N-Alkyl Dimethyl Benzyl Ammonium Chloride (See Benzalkonium chloride)	8001545
n-Amyl acetate (See Amyl acetate)	628637
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
n-Heptane	142825
n-Hexane	110543
N-Methyl-2-Pyrrolidone (See 1-Methyl-2-Pyrrolidinone)	872504
N-Methylpyrrolidone (See 1-Methyl-2-Pyrrolidinone)	872504
N-Methylpyrrolidone	120945
n-Octane	111659
N-pentane	109660
N-Phosphonomethylglycine	1071836
n-Propanol (See 1-Propanol) (n-Propyl alcohol)	71238
n-Propoxypropanol	1569013

CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
n-Propyl Acetate	109604
n-Propylbenzene	103651
N-vinyl-2-pyrrolidone	88120
NABAM (See Ethylene (bis) dithiocarbamate, disodium salt)	142596
Naphtha (Petroleum Naphtha)	8030306
Naphtha Heavy Alkylate	64741657
Naphtha Light Aliphatic	64742898
Naphtha, Heavy Aromatic	64742069
NAPHTHA, STRAIGHT RUN, HEAVY	64741419
Naphthalene	91203
Naphthenic Acid Lead Salt	61790145
Naphthol Spirits	64792489
Naptherie Distillate	64742525
Neopentyl Glycol (2,2-Dimethyl-1,3-Propanediol)	126307
Neutral Base Oil	64741895
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
Nonane	111842
NONY PHENOL ETHYLENE OXIDE 6 MOLE	68412544
Nonyl Phenyl Ethylene Oxide 6M	68412544
Nonylphenol Polyethoxylate (See Nonylphenol, ethoxylated)	9016459
Nonylphenol, ethoxylated (Nonylphenoxy polyethoxy ethanol; Polyoxyethylene nonylphenyl et	9016459
Norpar 15	64771728
O,O-dimethyl-O-phosphorothiate	333476
o-Benzyl-p-Chlorophenol	120321
o-Chlorotoluene (See Chlorotoluene (o))	95498
o-cresyl glycidyl ether	26447143
o-Dichlorobenzene (See Dichlorobenzene (ortho))	95501
O-Nitrotoluene	88722
o-Xylene (See Xylene (ortho))	95476
Octane (See n-Octane)	111659
Octanol	111875
Octyl dimethyl amine oxide	2605789
Octyl Epoxy Tallate	61788725
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
Odorless Mineral Spirits	61741657
Odorless Mineral Spirits	64741418
Odorless Mineral Spirits	64742657
ODORLESS MINERAL SPIRITS	64475850
ODORLESS MINERAL SPIRITS	64742488
Odorless Mineral Spirts	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
Orange Oil	8008579
Orange Oil	68606940
Orange Oil Terpenes	68647723
Orange Oil Terpenes	68917577
Orange Terpene	65996987
Orange Terpene	68647723
Orchex 796	72623848
ortho-Phenylphenol	90437
ORTHODICHLOROBENZENE	25321226
Oxo-Heptyl Acetate	90438792
p-Dichlorobenzene (See 1,4-Dichlorobenzene)	106467
p-Menthadiene	68956569
P-Menthadienes	68956569

CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
Pale Oil	68476302
Pale Oil (See Petroleum Oil)	8002059
Panasol AN2K	63798787
Para-dichlorobenzene (See 1,4-Dichlorobenzene)	106467
Parachlorobenzotrifluoride (PCBTF) (1-Chloro-4-trifluoromethyl benzene)	98566
Parachlorometoxylenol [chk spell?]	88040
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
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	68477316
Petroleum Distillate	64741442
Petroleum Distillate	64741657
Petroleum Distillate	64741862
Petroleum Distillate	64741908
Petroleum Distillate	64742376
Petroleum Distillate	68476302
Petroleum Distillate	68551155
PETROLEUM DISTILLATE	64741771
PETROLEUM DISTILLATE	64741964
Petroleum Distillate (Deodorized Kerosene)	64742149
Petroleum Distillate, Naphtha (See Naphtha)	8030306
Petroleum distillates	64742894
Petroleum distillates	64842898
Petroleum distillates	67472945
Petroleum Distillates	64741478
Petroleum Distillates	64742309
PETROLEUM DISTILLATES	64741964
PETROLEUM DISTILLATES	64741975
PETROLEUM DISTILLATES	64742964
Petroleum ether, ligroin	8032324
Petroleum hydrocarbon	64742467
Petroleum Hydrocarbon Distillate	64741964
Petroleum Hydrocarbon Mix	61742945
PETROLEUM HYDROCARBON NAPHTHA	64741920
PETROLEUM HYDROCARBON OIL	64742525
Petroleum Middle Distillate	68476346
Petroleum Oil	64741895
Petroleum Oil	64742650
PETROLEUM OIL	64742467
Petroleum Process Oil	64742558
Petroleum Resin	64742161
Petroleum solvent	64771728
Petroleum Solvent	64741657
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

CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
Piperonyl Butoxide	51036
PM Acetate	84540578
PM Acetate (See Propylene Glycol Monomethyl Ether Acetate)	108656
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	25322683
Polyethylene Glycol Dilaurate	9005021
Polyglycol 26-3	69029396
Polyglycol 26-3	69029396
Polyglycol Dimethacrylate	25852475
Polyglycol Dimethacrylate	25852475
Polyglycol P-2000	25322694
Polyglycol P-2000	25322694
Polyisobutylene Solution	64742400
Polymethyl methacrylate	9011147
Polyoxyethylene Octyl Phenyl Ether (See Octylphenoxypropoxy ethanol)	9036195
Polyolve 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	32351705
Propionic Acid	32351705
Propionic Acid	53404312
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) [chk wrong CAS?]	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
Refined Petroleum Distillate	92045379
RESIN A-BENZYL (See Benzyl Alcohol)	100516
S&S, Di-Me,Hydroxy-Terminated UVCB	70131678
S-O,O-Diisopropyl phosphorodithioate	741582
Safety Solvent	64742809
Safety Solvent 200	64742809
Safrole	94597

CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
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 (HASiO ₄), Tetrapropyl	682019
Slane, Trimethoxymethyl-	1185553
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	64742899
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	64752898
Solvent Naphtha T500-100	54742956
SOLVENT REFINED LIGHT NAPHTHA	64741840
SOLVENT REFINED LIGHT NAPHTHENIC DISTILLATE	64741975
SORBITOL (D-Glucitol, C ₆ H ₁₄ O ₆)	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
T 500-100	68920069
T-Amyl Alcohol	75854
t-Butyl Alcohol (See Tert-Butyl Alcohol)	75650
T-Mulz 2900, Harcos, Kansas	69980741
Tall Oil	8002264
Tallow Imid Methosulfate	68122861
Tallow Imid Methosulfate	68122861
Tallowammonium Trimethyl Chloride	8030782
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

CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
Tetraethylene Glycol Dimethacrylate	109171
Tetraethylene Pentamine	112572
Tetrahydro-3,5-dimethyl-1,2,4,5-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
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	20324338
Tripropylene Glycol Methyl Ether	25498491
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	64742896
Vegetable Glycerin (See 1,2,3-Propanetriol)	56815
Vinyl Acetate	108054
VM & P Naphtha	8032324
VM & P Naptha	64742899
White Oil No. 9T (See Mineral oil, white)	8042475
Wickenol	22047490
Wilcolate A (See Sodium Lauryl Sulfate)	151213
Witch Hazel	68916392
Witch Hazel Distillate	68916392
Witch Hazel Distillate	68916781
Witch Hazel Distillate	84696195
Witch Hazel Extract	84696195

CARB CHEMICAL NAME / CAS NUMBER LIST

Chemical Name	CAS #
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

DEFINITIONS

“Diluent” means the material used to dilute a “concentrated” substance.

“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.

“Exempt Compound” means any of the following organic compounds: carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, ammonium carbonate, and the following: (1) methane, methylene chloride (dichloromethane), dichlorodifluoromethane (CFC-12), 1,1,1-trichloroethane (methyl chloroform), trichlorofluoromethane (CFC-11), 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), cyclic, branched, or linear completely methylated siloxanes, the following classes of perfluorocarbons: (A) cyclic, branched, or linear, completely fluorinated alkanes; cyclic, branched, or linear, completely fluorinated ethers with no unsaturations; cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations; 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: acetone, ethane, parachlorobenzotrifluoride (1-chloro-4-trifluoromethyl benzene), and 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.

“Gel” means a colloid in which the disperse phase has combined with the continuous phase to produce a semisolid material, such as jelly.

“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.

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

DEFINITIONS

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).

“Inorganic Compound” means a compound lacking carbon atoms.

“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, theaters, or transportation companies. Institutional or “commercial” product does not include household or industrial products.

“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.

“Liquid” means a substance or mixture of substances which is capable of a visually detectable flow as determined under ASTM D-4359-90. “Liquid” does not include powders or other materials that are composed entirely of solid particles.

“Low Vapor Pressure (LVP) Compound” means any compound which contains at least one carbon atom and has either of the following: (1) a vapor pressure less than 0.1 mm Hg at 20 °C; or (2) more than 12 carbon atoms, if the vapor pressure is unknown.

“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.

“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.

DEFINITIONS

“Product Form” for the purpose of complying with Section 94513 only, means the applicable form which most accurately describes the product's dispensing form as follows:

A = “Aerosol Product”

S = “Solid”

P = “Pump Spray”

L = “Liquid”

G = “Gel”

O = Other

“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.

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

“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.

“Semisolid” means a product that, at room temperature, will not pour, but will spread or deform easily, including gels, pastes, and greases.

“Solid” means a substance or mixture of substances which, either whole or subdivided (such as the particles comprising a powder), is not capable of visually detectable flow as determined under ASTM D-4359-90.

“Spray Gel” means a “hair styling gel” that is dispensed by a “pump spray.”

“Volatile Methyl Siloxanes” 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 A

FIFRA-REGULATED PRODUCTS

(does not include agricultural-use pesticides/insecticides or pesticides used as structural fumigants)

Antimicrobial Agents

<u>Code</u>	<u>Product Category</u>
4101*	Disinfectants
4102*	Sanitizers
4103	Sterilants (not including ethylene oxide)

Herbicides

<u>Code</u>	<u>Product Category</u>
4201*	Non-selective Herbicides/Defoliant
4202*	Selective Herbicides/Defoliant

Insecticides

<u>Code</u>	<u>Product Category</u>
4301	Flea and Tick Products
4302	Flying Insect Sprays
4303*	Hornet and Wasp Sprays
4304	Lawn and Garden Insecticides
4305	Crawling Bug Insecticides
4306	Space Insecticides, Foggers

Miscellaneous FIFRA-Regulated Products

<u>Code</u>	<u>Product Category</u>
4401	Insect Repellants
4402	Lawn and Garden Treatments

HOUSEHOLD PRODUCTS

Fabric and Carpet Care Products

<u>Code</u>	<u>Product Category</u>
5101*	Carpet Cleaners
5102	Carpet Deodorizers
5103*	Spot Removers
5104*	Upholstery Cleaners
5105	Fabric Protectants
2106	Rubber and Vinyl Protectant

Hard Surface Cleaners

<u>Code</u>	<u>Product Category</u>
5201*	Floor Wax Strippers
5202	General Purpose Cleaners
5203*	General Purpose Degreasers
5204	Glass Cleaners
5205*	Metal Cleansers/Polishes
5206	Oven Cleaners
5207	Toilet Bowl Cleaners
5208	Tub, Tile and Sink Cleaners

Laundry Products

<u>Code</u>	<u>Product Category</u>
5301	Prewash Spot Removers
5302	Starches, Sizings, etc.
5303	Other Laundry Prewash

Waxes and Polishes

<u>Code</u>	<u>Product Category</u>
5401	Dusting Aids
5402	Flexible Floor Wax/Polish
5403	Non-resilient Floor Wax/Polish
5404	Wood Floor Wax/Polish
5405	Furniture Waxes and Polishes
5406	Shoe Polishes

Lubricants

<u>Code</u>	<u>Product Category</u>
5501*	Multi-purpose Lubricant
5502*	Silicone Based Lubricant
5503*	Penetrant

* Category surveyed in Mid-term Measures (See Page 5 of Instructions)

 ATTACHMENT A

HOUSEHOLD PRODUCTS (CONT'D)**Air Fresheners**

<u>Code</u>	<u>Product Category</u>
5601	Single Phase or Metered Dose Aerosols
5602	Dual Phase Aerosols
5603	Dual Purpose Air Freshener/Disinfectant
5604	Liquids/Pump Sprays
5605	Solids/Gels

Miscellaneous Household Products

<u>Code</u>	<u>Product Category</u>
5701	Charcoal Lighter Materials
5702	Aerosol Cooking Sprays

PERSONAL CARE PRODUCTS**Deodorants and Antiperspirants**

<u>Code</u>	<u>Product Category</u>
6101	Underarm Antiperspirants
6102	Underarm Deodorants

Hair Care Products

<u>Code</u>	<u>Product Category</u>
6401	Hair Spray
6402	Mousses
6403*	Hair Shines
6404	Styling Gels

Facial and Body Treatments

<u>Code</u>	<u>Product Category</u>
6201*	Astringents/Toners
6202	Hand and Body Lotions

Nail Care Products

<u>Code</u>	<u>Product Category</u>
6501*	Nail Polish
6502	Base coats, Undercoats
6503	Polish Removers

Fragrance Products

<u>Code</u>	<u>Product Category</u>
6301	Aftershave Treatments
6302	Body Fragrance Sprays
6303	Colognes
6304	Perfumes
6305	Toilet Waters

Miscellaneous Personal Care Products

<u>Code</u>	<u>Product Category</u>
6601*	Rubbing Alcohol
6602	Shaving Creams, Gels
6603	Foot Powders
6604*	Personal Hygiene Sprays

* Category surveyed in Mid-term Measures (See Page 5 of Instructions)

ATTACHMENT A

SURVEY OVERVIEW AND INSTRUCTIONS

home page, click on "CARB Programs and Information Resources," "Consumer Products Program," and finally on "1997 Consumer and Commercial Products Survey" under the "Measures Development and Subgroup Activities" heading.

If you choose to complete and submit your Product Sheet electronically, you must still complete and submit a hard copy of the Company Sheet to the ARB.

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 B) describes the handling of Confidential Information. We also request that you review and complete the Confidential Information Submittal Form found in Part I, 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 any of the following staff:

Nancy Adams	(916) 327-5632
David Julian	(916) 323-1077
Lisa Kasper	(916) 327-0648
Paul Milkey	(916) 327-1517

COMPLETING THE INFORMATION SHEETS

This survey is composed of three components, the **Company Sheet**, **Formulator Sheet** and the **Product Sheet**. Before you begin filling out the survey forms, please read the instructions carefully and look at the attachments included to assist you in completing the survey. Included for your assistance are sample forms.

COMPANY AND FORMULATOR SHEETS

The following instructions apply to the Company Sheet and Formulator Sheet. General company information such as name and address are needed, as well as fundamental information regarding the company economics and business type. This information will assist us in characterizing the types of businesses that are included in the survey as required by state law.

If your company is not the *responsible party* for products listed in Attachment A, please complete and submit only the top portion of the Company Information Sheet to the ARB. If your company is the responsible party for any products listed in Attachment A, please complete the entire Company Sheet and the appropriate number of Product Sheets.

Italicized words are defined in Attachment D.

SURVEY OVERVIEW AND INSTRUCTIONS

Please provide only one set of Company Sheets when submitting your survey. It is not necessary to attach a set to each Product Sheet.

Data Fields

Company Name: Please enter the name of the company. This name should also be the company name on the Product Information Sheet.

Division Name: If the respondent to the survey is representing a division of the company, please enter the name of the division. This name should also be the division name on the Product Information Sheet.

Contact Name: Enter the name of the person to be contacted by the ARB if clarifications are needed.

Address: Enter the mailing address of the company or division responsible for completing the survey.

Phone Number: Enter the telephone number of the contact person.

Fax Number: Enter the fax number of the contact person.

E-mail Address: Enter the E-mail address of the contact person, if available.

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 of the product categories listed in Attachment A that were sold in California in calendar year 1997. If you are not the *responsible party*, please stop here and submit this form to the ARB.

Type of Business: Place an "X" in each box that describes the type of business conducted by your company or division. Please refer to the Definitions in Attachment D for clarification of the terms in this question.

Standard Industrial Classification (SIC) Codes: Enter any of the following SIC codes that apply to the company for the products listed in Attachment A. If none of these SIC codes apply, please fill in the company's primary SIC code(s). For clarification about SIC codes, please refer to the Executive Office of the President, Office of Management and Budget, 1987 Standard Industrial Classification Manual or call a member of the ARB staff. A list of SIC codes are provided in Attachment B.

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.

Number of Employees Nationwide: Enter the number of *employees* (including full-time, part-

Italicized words are defined in Attachment D.

SURVEY OVERVIEW AND INSTRUCTIONS

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.

Number of 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.

Number of Employees in California: 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.

Number of 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 in this question.

Typical Gross Annual Receipts: Enter the corresponding answer for the *typical gross annual receipts* generated by the company or division. 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 the Product Sheet, please do the following:

- 1) Indicate in the box provided on the Company Sheet that your company will be forwarding a copy of this survey to another company for completion.
- 2) Complete and submit to the ARB the Company Sheet, the Formulator Sheet and the **Product Sheet B**. This product sheet has the Ingredient Information section shaded, indicating that it should be left blank.
- 3) Fill out the Company/Product Data and Dilution Ratio sections of **Product Sheet C**, and forward this sheet with a blank copy of the entire survey to the formulator. This product sheet has the sales information section shaded, indicating that it should be left blank. Request that the formulator complete and submit to the ARB the Ingredient Information section of Product Sheet C. The formulator must also complete the top portion of a Company Sheet.

Certification: Please have a designated contact person certify the accuracy of the completed Company Sheet and Product Sheets.

PRODUCT SHEETS

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

Italicized words are defined in Attachment D.

SURVEY OVERVIEW AND INSTRUCTIONS

- A) Only complete the Product Sheet(s) if you are the responsible party for any of the product categories listed in Attachment A that were sold in California in calendar year 1997.
- B) You may group products according to the criteria listed under the Product Name field below.
- C) The survey must be completed using data from calendar year 1997, or if these data are not available, the most recent twelve month consecutive period beginning no earlier than July 1, 1996.
- D) If the product was reported in the **Mid-Term Measures 1994/1995 Consumer Products survey**, and the product formulation has not changed, please complete only the company/product name, product form, category code and sales portion of this sheet. Speciation of the ingredients is **not** needed. Product categories which were surveyed in the Mid-term Measures survey are indicated by an asterisk next to the category code in Attachment A. Once again, the product **must** have been reported in the Mid-term Measures survey or you must complete the product sheet entirely.
- E) If you have all of the ingredient and sales information for your product, use **Product Sheet A**. If you are sending the product sheet to the formulator to complete the Ingredient Information section, use **Product Sheets B and C**. The survey forwarding instructions are on page 4.

Data Fields

Company Name: Please enter the name of the company. This should be the same as the name on the Company Sheet.

Division Name: If the respondent to the survey is representing a division of the company, please enter the name of the division. This should also be the same as the name on the Company Sheet.

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 Category Code (see below).
- 2) All products must be in the same form (e.g. aerosol, pump spray, etc).
- 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 the product sheet.

Italicized words are defined in Attachment D.

SURVEY OVERVIEW AND INSTRUCTIONS

Category Code: Enter the four digit category code for the product as listed in Attachment A. If you are unsure of the correct category code for your product, please contact ARB staff listed below the Table of Contents. If your product could be placed in more than one category, select the category that best describes the product.

Customer Type: Place an "X" in the box that best describes the customer type for your product according to the options listed below. **Industrial products are those products used strictly in the manufacture of other marketable products.**

- (A) Household only
- (B) Commercial only
- (C) Industrial only (applies only to aerosol adhesives)
- (D) Household and Commercial
- (E) Commercial and Industrial
- (F) Household, Commercial and Industrial

If your product falls under options (D), (E) or (F), please enter the percent usage of your product by the various customer types in the spaces provided (e.g. Household 50%, Commercial 50%).

Product Form: Place an "X" in the box for the form of the product according to the options listed below. **Select only one form.** (If the product appears in more than one form, use a separate product information packet for each form). Definitions of the product forms are provided in the Definitions in Attachment D. If you are unsure of the form of your product, please contact an ARB staff person.

- (A) Aerosol
- (B) Liquid
- (C) Pump Spray
- (D) Semisolid (gel, grease, etc.)
- (E) Solid (including powders)
- (F) Other

Concentrate: Please indicate (Yes or No) whether the product is sold as a concentrate requiring dilution. If you answered yes, then enter the name of the *diluent*, and the recommended minimum and maximum dilution ratios in the spaces provided. Enter the amount of product to be diluted in the Product Amt box, and check the units for that product amount. Then enter the amount of diluent that the product is being diluted into in the Diluent Amt box, and check the units for the diluent amount. The format should be as follows: **Product Amt: 3, Units: quart, Diluent Amt: 1, Units: gallon.** This states: **Add 3 quarts of product to 1 gallon of diluent.**

Sales Reporting Options: You have two options for entering the sales of your product. Regardless of the option chosen, provide calendar year 1997 California sales data, or, if 1997 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, 1996.

Italicized words are defined in Attachment D.

SURVEY OVERVIEW AND INSTRUCTIONS

Option 1:

Calculate the total 1997 product sales in California (in pounds less packaging) and enter this amount in the box provided.

Option 2:

- a) List the product sizes and the estimated number of units sold in each size in California in 1997.
- 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 E.

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 the product sheet.

Relation To Product: Indicate whether you are the manufacturer, retailer, distributor, private label packager or the custom contract packager of the product. Place an "X" in the appropriate box or boxes, if more than one box applies. For example, a many companies manufacture and sell their products in their own retail locations, in which case both Manufacturer and Retailer would be indicated.

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.

VOC Name: Enter the *chemical name* of the ingredient. Chemical names must be distinguished from trade names. For example, the chemical name of SD 40 Alcohol is ethanol.

CAS #: Please enter the Chemical Abstract Service (CAS) number for the ingredient. A list of CAS numbers for a number of chemicals is included in Attachment F. Please use this list only if you are unable to obtain the CAS number of the ingredient from your supplier.

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 a mixture cannot be determined, such as in a fragrance, list the ingredient as a single

SURVEY OVERVIEW AND INSTRUCTIONS

entity.

Total VOC Content (Total B): 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 Compound Table: Enter the weight percent to the nearest 0.1% for each of the eight *exempt compounds* listed (acetone, carbon dioxide, HFC-152a, 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 of the exempt and inorganic compounds in the table above, and indicate this value in the Total Exempt/Inorganic box (**Total C**).

Low Vapor Pressure VOC Content (Total A): Aggregate the total weight percent for all *low vapor pressure volatile organic compounds* (LVP VOC's) and enter this amount to the nearest 0.1 percent.

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