

What is an LVP-VOC?

- LVP-VOC = Low Vapor Pressure VOC
- VOC compounds or mixtures that:
 - have vapor pressure < 0.1 mm Hg at 20° C (ARB Method 310), or
 - have 12 or more atoms of carbon, or
 - have boiling point >216° C, or
 - is the weight % of chemical mixture that boils above 216° C (aka, "partial LVP-VOC")

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Which chemicals go where?

- 17 compounds have boxes on "Specific Ingredient Table" (Sec. C, Item 1)
 - some are exempts (VMS, HFCs)
 - some are inorganics (water, nitrogen)
- All other compounds accounted for in Speciation Table (Sec. C, Item 2)
 - All VOCs >=0.1 wt % are to be speciated
- All compounds categorized, total = 100%

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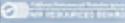
CALIFORNIA AIR RESOURCES BOARD FORM 4 - Ingredient Information

Product Name: **Lexus 2004 2500SE Sedan** Company Name: **Lexus Motor, Inc.**

Name	CAS No.	Boiling Point	Vapor Pressure	Vol. %
1. Ethanol	64-17-5	78.3	5.95	10.0
2. Gasoline	80080-000	30-400	0.1-10	90.0
3. Propylene	67-50-1	-42.1	10.0	0.1
4. Acetone	67-64-1	56.5	230	0.1

Which LVPs do I speciate?

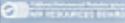
- Some LVPs must be individually listed on FORM 4
- Reportable LVP-VOCs are listed in Attachment E.
- Example: propylene glycol
- LVP compounds not listed are grouped under "group other LVP-VOCs"



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Reporting Ingredients

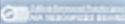
- Compound listed in Item 1?
 - If yes, write wt. % in Specific Ingredient Table
 - If no, continue
- Compound a VOC?
 - If yes, write wt. % in Speciation Table
 - If no, continue



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Reporting Ingredients (cont.)

- Compound an LVP-VOC?
 - If yes, check Attachment E.
 - If listed in Att. E, write wt. % in Speciation Table
 - If not listed, group under "group other LVP-VOCs"



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Reporting Ingredients (cont.)

- Compound not 1 of first 17, not VOC, not LVP? Depending on compound:
 - group under “group other exempt”
 - group under “group other inorganics”
 - group under “group all fragrance”
 - group under “group VOCs that are each less than 0.1 wt %”

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FORM 4 – Ingredient Information
(Instructions on reverse side of this form)

Check (X) if Confidential Product Tracking #: _____

A. PRODUCT NAME & RESPONSIBLE PARTY COMPANY NAME – To be completed by the responsible party; copy from corresponding FORM 1.
 Full Product Name: Lixley Nail Adhesive Remover Company Name: Household Saver, Inc.

B. RESPONSIBLE PARTY CONTACT INFORMATION – Only needed when responsible party is sending this form to a formatter for completion of part C.
 Contact Person: _____ Phone: _____ Fax: _____
 Title: _____ Email: _____

C. INGREDIENTS – To be completed by the company that holds the ingredient information (either the responsible party or formulator).

1. Specific Ingredient Table: Indicate the weight percent (Wt. %) of the following compounds that are contained in the product.

HTC-116a	U.S. Toxic Substances	Fluorinated	Phenols	Phthalates	Parabens	Alkylamines	Nitrocellulose	Nitrogen	Miscellaneous
35.2									58.8

2. Speciation Table: List all VOCs, partial LVP-VOCs and LVP-VOCs (see Nomenclature for “LVP-VOCs to be Individually Reported”) that comprise at least 0.1 Wt. % Group other LVP-VOCs (those not listed individually) (other exempt) (those not listed above) (other inorganics) (those not listed above) (fragrance) and all VOCs that individually comprise less than 0.1 Wt. % as indicated in each line item entry below.

Chemical Name	CAS Number	Trade Name & Manufacturer	Wt. %	Weight %
1. Co. - 1,2-dichloroethane	107-17-3	Synergo SA 100 - Proceco	14	10.0
2. Propyl acetate	114-19-5		1	0.5
3. Propyl alcohol	58-18-2		10	0
4. Propylamine	107-18-4		15	0
5.				
6.				
7.				
8.				

3. Ingredient Grouping Information:
 Completed by: George MacLeod Group VOCs that are each less than 0.1 Wt. %: Group Total = _____
 Title: Reg. Aff. Associate Phone: (916) 557-0257 Email: gmac@cas.com Section C2 % Subtotal = 60.3
 Formulating Company: Household Saver, Inc. Date: 1/4/05 Grand Total (Section C1 + C2) must = 100% = 100.0

Example 2: 3-in-1 Nail Miracle

- Cornstarch Beauty is Responsible Party
- Fred MacLeod is contact person
- 36 products reported

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