

**MATERIAL SAFETY DATA SHEET**

Finished Product



**Date Issued:** 12/20/2002  
**MSDS No:** 1613-A  
**Date Revised:** 01/04/2013  
**Revision No:** 7

**Label and Adhesive Remover****1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Label and Adhesive Remover  
**PRODUCT DESCRIPTION:** Label & Adhesive Remover  
**PRODUCT CODE:** 1613/CAN/EUR-6S  
**ACTIVE INGREDIENT(S):** d-Limonene; Mixed Aliphatic Hydrocarbons

**MANUFACTURER**

Techspray, L.P.  
 1001 N.W. 1st Street  
 P.O. Box 949  
 Amarillo, TX 79107

**Emergency Contact:** Chemtrec  
**Emergency Phone:** 1-800-858-4043  
**Service Number:** 1-800-858-4043

**24 HR. EMERGENCY TELEPHONE NUMBERS**

**CHEMTREC CCN#21858 (US Transportation) :**(800) 424 - 9300  
**CANUTEC (Canadian Transportation) :**(613) 996 - 6666  
**Emergency Phone :**(800) 858 - 4043

**2. HAZARDS IDENTIFICATION****HAZARD DESIGNATION**

"Xi" - Irritant  
 R36/37/38 - Irritating to eyes, respiratory system and skin.  
 R10 - Flammable.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Clear to amber, sticky resin.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Liquid contact can cause irritation, which may be severe.  
**SKIN:** Prolonged or repeated contact may cause skin irritation.  
**INGESTION:** Harmful if swallowed.  
**INHALATION:** Prolonged or excessive inhalation may cause respiratory tract irritation.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Contact may cause eye irritation.  
**SKIN:** May cause slight irritation.  
**INGESTION:** Not a likely route of exposure.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

| Chemical Name                | Wt. %   | CAS        |
|------------------------------|---------|------------|
| d-Limonene                   | 25 - 35 | 5989-27-5  |
| Mixed Aliphatic Hydrocarbons | 65 - 75 | 64742-48-9 |
| Carbon dioxide               | 1 - 4   | 124-38-9   |

**4. FIRST AID MEASURES**

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**EYES:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Ingestion is unlikely because of the physical properties and is not expected to be hazardous. Do not induce vomiting unless instructed to do so by a physician.

**INHALATION:** Remove to fresh air.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** (115°F) CC

**FLAMMABLE LIMITS:** 0.7% to 3.1%

**GENERAL HAZARD:** Combustible Liquid. Can form explosive mixtures at temperatures at or above the flash point.

**HAZARDOUS COMBUSTION PRODUCTS:** Smoke, fumes and oxides of carbon.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** -Implement cleanup procedures. -If in public area, keep public away and advise authorities. -Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

**RELEASE NOTES:** Spills and releases may have to be reported to Federal and/or local authorities.

**SPECIAL PROTECTIVE EQUIPMENT:** Only personnel equipped with proper respiratory and skin/eye protection should be permitted in area. See Section 8 for details.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep container closed when not in use.

**HANDLING:** Avoid prolonged or repeated contact with skin.

**STORAGE:** Keep away from sources of ignition.

**STORAGE TEMPERATURE:** Minimum to (120°F) Maximum

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Label and Adhesive Remover****EXPOSURE GUIDELINES**

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) |            |                 |                   |           |                   |              |                   |
|---|------------|-----------------|-------------------|-----------|-------------------|--------------|-------------------|
|   |            | EXPOSURE LIMITS |                   |           |                   |              |                   |
|   |            | OSHA PEL        |                   | ACGIH TLV |                   | Supplier OEL |                   |
| Chemical Name                               |            | ppm             | mg/m <sup>3</sup> | ppm       | mg/m <sup>3</sup> | ppm          | mg/m <sup>3</sup> |
| d-Limonene                                  | <b>TWA</b> | [1]             | [1]               | [1]       | [1]               | [1]          | [1]               |
| Mixed Aliphatic Hydrocarbons                | <b>TWA</b> | 1900            | mg/m <sup>3</sup> |           |                   |              |                   |

**OSHA TABLE COMMENTS:**  
 1. NL = Not Listed

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**SKIN:** The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Viton, Solvex, Butyl, Buna, Neoprene.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

| Chemical Name                | Flash Point (°C) | Boiling Point (°C) | Solubility in Water | Specific Gravity |
|------------------------------|------------------|--------------------|---------------------|------------------|
| d-Limonene                   | 115              | 154.4              | INSOLUBLE           | 0.841            |
| Mixed Aliphatic Hydrocarbons |                  | 169                | NEGLIGIBLE          | 0.76             |

**PHYSICAL STATE:** Liquid

**ODOR:** Strong, fruity odor.

**COLOR:** Clear to Light yellow

**pH:** Not Applicable

**PERCENT VOLATILE:** 30

**BOILING POINT:** (325°F) to (332°F)

**FLASHPOINT AND METHOD:** (115°F) CC

**SPECIFIC GRAVITY:** 0.763 to 0.7930 @ 25°C

**(VOC):** 750.000 to 800 g/L (non-exempt VOC)

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable under normal conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon (CO and CO<sub>2</sub>) may form when heated to decomposition.

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**Label and Adhesive Remover****11. TOXICOLOGICAL INFORMATION****ACUTE**

| Chemical Name | ORAL LD <sub>50</sub><br>(rat) | DERMAL LD <sub>50</sub><br>(rabbit) |
|---------------|--------------------------------|-------------------------------------|
| d-Limonene    | > 5 g/kg                       | > 5 g/kg                            |

**EYE EFFECTS:** May be mildly irritating to eyes.

**CARCINOGENICITY**

| Chemical Name                | NTP<br>Status | IARC<br>Status | OSHA<br>Status |
|------------------------------|---------------|----------------|----------------|
| d-Limonene                   | NOT LISTED    | NOT LISTED     | NOT LISTED     |
| Mixed Aliphatic Hydrocarbons | NOT LISTED    | NOT LISTED     | NOT LISTED     |

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** There is limited information available on the environmental fate and effects of this material. The primary environmental concern for release is the impact on aquatic and terrestrial species. Due care should be taken to avoid the accidental release of this material into the environment.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Federal, State, and Local laws governing disposal of materials can differ. Ensure compliance with proper authorities before disposal.

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** CONSUMER COMMODITY ORM-D

**TECHNICAL NAME:** Terpene Hydrocarbons N.O.S.

**PRIMARY HAZARD CLASS/DIVISION:** No classification

**ROAD AND RAIL (ADR/RID)**

**KEMLER NUMBER:** UN1950

**HAZARD CLASS:** 2.2

**AIR (ICAO/IATA)**

**SHIPPING NAME:** CONSUMER COMMODITY ID8000

**UN/NA NUMBER:** ID8000

**PRIMARY HAZARD CLASS/DIVISION:** 9

**PACKING GROUP:** NA

**VESSEL (IMO/IMDG)**

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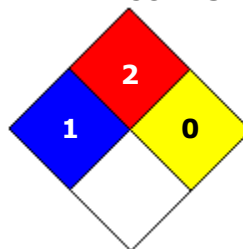
**Label and Adhesive Remover****SHIPPING NAME:** AEROSOLS IN LIMITED QUANTITIES OF CLASS 2**UN/NA NUMBER:** 1950**PRIMARY HAZARD CLASS/DIVISION:** 2.2**PACKING GROUP:** NA**15. REGULATORY INFORMATION****UNITED STATES****TSCA (TOXIC SUBSTANCE CONTROL ACT)**

| Chemical Name | CAS       |
|---------------|-----------|
| d-Limonene    | 5989-27-5 |

**TSCA STATUS:** All components of this product are either listed or exempt from listing in the TSCA inventory.**CANADA****WHMIS CLASS:** Class A, B5, D2B (Aerosol, Flammable Aerosol, Toxic Materials)**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components of this product are listed on the Canadian DSL.**EUROPEAN COMMUNITY****EEC LABEL SYMBOL AND CLASSIFICATION**

"Xi" - Irritant  
 R36/37/38 - Irritating to eyes, respiratory system and skin.

R10 - Flammable.

**16. OTHER INFORMATION****APPROVED BY:** Pierce A. Pillon    **TITLE:** Chemist**PREPARED BY:** Steve Cook**REVISION SUMMARY:** This MSDS replaces the 01/13/2010 MSDS.**NFPA CODES**

**MANUFACTURER DISCLAIMER:** To the best of our knowledge, the information contained herein is accurate. However, neither Tech Spray, L.P., or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

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