

MATERIAL SAFETY DATA SHEET

Finished Product



Date Issued: 12/18/2002

MSDS No: 1613 B

Date Revised: 10/30/2006

Revision No: 4

Label and Adhesive Remover

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Label and Adhesive Remover

PRODUCT DESCRIPTION: Label and Adhesive Remover

PRODUCT CODE: 1613/EUR/CAN-2SQ, G, N

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

Product Stewardship: 1-800-858-4043

Service Number: 1-800-858-4043

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) : (800) 424 - 9300

CANUTEC (Canadian Transportation) : (613) 996 - 6666

Emergency Phone : (800) 858 - 4043

COMMENTS: This MSDS was reviewed on 30 Oct. 2006.

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

EEC LABEL SYMBOL AND CLASSIFICATION



"F" - Highly flammable
R11 - Highly flammable.



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

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	EINECS
d-Limonene	30 - 50	5989-27-5	
Mixed Aliphatic Hydrocarbons	70 - 85	64742-48-9	

4. FIRST AID MEASURES

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 (70°F) Maximum

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

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

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	Boiling Point (°C)	Freezing Point (°C)	Auto Ignition (°C)	Solubility in Water	Specific Gravity	Specific Volume
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)

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 CO₂) may form when heated to decomposition.

11. TOXICOLOGICAL INFORMATION**ACUTE**

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
d-Limonene	> 5 g/kg	> 5 g/kg	

EYE EFFECTS: May be mildly irritating to eyes.

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status	Other	General Toxicity
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

UN/NA NUMBER: NA

PACKING GROUP: NA

ROAD AND RAIL (ADR/RID):

KEMLER NUMBER: UN1993

HAZARD CLASS: 3.3

AIR (ICAO/IATA)

SHIPPING NAME: CONSUMER COMMODITY ID8000

UN/NA NUMBER: ID8000

PRIMARY HAZARD CLASS/DIVISION: 9

VESSEL (IMO/IMDG)

SHIPPING NAME: Flammable Liquids, N.O.S. (Mixed Aliph. Hydrocarbons, d-Limonene)

UN/NA NUMBER: UN1993

PRIMARY HAZARD CLASS/DIVISION: 3.3

PACKING GROUP: III

15. REGULATORY INFORMATION**UNITED STATES****TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS	TSCA SECTION
d-Limonene	5989-27-5	

TSCA STATUS: All components of this product are either listed or exempt from listing in the TSCA inventory.

CANADA

DOMESTIC SUBSTANCE LIST (INVENTORY): All components of this product are listed on the Canadian DSL.

EUROPEAN COMMUNITY**EEC LABEL SYMBOL AND CLASSIFICATION**



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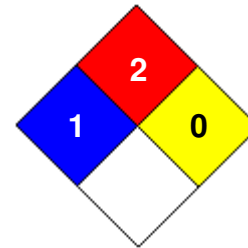
16. OTHER INFORMATION

APPROVED BY: Pierce A. Pillon **TITLE:** Chemist

PREPARED BY: Steve Cook

REVISION SUMMARY: Revision #: 4 This MSDS replaces the August 08, 2005 MSDS. Any changes in information are as follows: In Section 1 Comments

NFPA CODES



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