Product Information

Label & Adhesive Remover

Residue Remover

1613

Introduction

Label & Adhesive Remover is a specially designed, hydrocarbon cleaner that safely removes labels and adhesive gums from equipment and products. Effectively removes gummy residues, labels, stickers, ink marks, beverage spills and other contaminants. Solvent has a pleasant odor.

Features / Benefits

Penetrates Rapidly
Non-Ozone Depleting
Safe on Most Plastics
Natural Solvent
High Flash Point

Chemical Components

dl-limonene.....	(138-86-3)	25-35%
Heavy naphtha.....	(64742-48-9)	65-75%
Carbon dioxide (Propellant).....	(124-38-9)	<2.0%

Environmental Policy

Techspray® is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

Packaging and Availability

Label & Adhesive Remover may be ordered in the following container sizes:

1613-G	1 Gallon in Metal
1613-N	1 10ml Pen

MATERIAL SAFETY DATA SHEET

Finished Product

MSDS Ref. No : 1613-A

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

MANUFACTURER

Techspray, L.P.

2. COMPOSITION / INFORMATION ON INGREDIENTS

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

EEC LABEL SYMBOL AND CLASSIFICATION

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

EEC Irritant - "Xi"

R10 - Flammable.

3. HAZARDS IDENTIFICATION

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.

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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.

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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.

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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: (120°F) maximum

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		EXPOSURE LIMITS					
Chemical Name		**OSHA PEL**		**ACGIH TLV**		**Supplier OEL**	
		ppm	**mg/m^3**	**ppm**	**mg/m^3**	**ppm**	**mg/m^3**
d-Limonene	**TWA**	[1]					
Mixed Aliphatic Hydrocarbons	**TWA**	1900 mg/m3					

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

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 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

INGREDIENT(S)	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.

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)
PROPER SHIPPING NAME: CONSUMER COMMODITY ID8000

UN/NA NUMBER: ID8000
PRIMARY HAZARD CLASS/DIVISION: 9
PACKING GROUP: NA

VESSEL (IMO/IMDG)
PROPER SHIPPING NAME: AEROSOLS IN LIMITED QUANTITIES OF CLASS 2
UN/NA NUMBER: 1950
PRIMARY HAZARD CLASS/DIVISION: 2.2
PACKING GROUP: NA

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15. REGULATORY INFORMATION

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

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

EEC Irritant - "Xi"

R10 - Flammable.

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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 December 01, 2004 MSDS. Any changes in information are as follows: