

REC'D JUN 19 2000

MATERIAL SAFETY DATA SHEET

792
50V00004

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite® Chisel® Gasket Remover
Item No.: 79040
Product Type: Solvent

2. COMPOSITION INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
METHYLENE CHLORIDE*	75-09-2	60-70
BUTANE	106-97-8	10-30
ISOBUTANE	75-28-5	10-30
PROPANE	74-98-6	10-30
METHYL ALCOHOL*	67-56-1	5-10
Non-hazardous ingredients	Proprietary	1-3

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
METHYLENE CHLORIDE	50 ppm TWA 174 mg/m3	25 ppm TWA	None
BUTANE	800 ppm TWA 1900mg/M3	800 ppm TWA 1900mg/M3	None
PROPANE	2500 ppm	1000 ppm 1800 mg/m3	None
METHYL ALCOHOL	200ppm TWA skin 262 mg/m3 skin	200ppm TWA skin 262 mg/m3 skin	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
METHYLENE CHLORIDE	None	125 ppm	
PROPANE	Asphyxiant	Asphyxiant	
METHYL ALCOHOL	250 ppm skin 328 mg/m3 skin	250 ppm skin 325 mg/m3 skin	

3. HAZARDS IDENTIFICATION

Toxicity: Skin and eye irritant. May irritate respiratory tract. Aspiration hazard if swallowed. May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Eye irritation may be severe. Corneal injury may result. Long term exposure to high concentrations of vapor may cause lung, liver, or kidney damage. The solvents listed have been reported to affect the central nervous system. Methanol may cause blindness or death if swallowed. Methylene chloride will have an affect on the cardiovascular system. Inhalation of high concentrations of methylene chloride vapor over long periods of time has caused cancer in laboratory animals. Deliberately concentrating and inhaling the vapor of the contents may be harmful or fatal.

Primary Routes of Entry: Inhalation, ingestion, contact.

Signs and Symptoms of Exposure: Inhalation - difficulty in breathing
Skin - redness. Ingestion - vomiting

Existing Conditions Aggravated by Exposure: Heart disease, respiratory disorders, liver and kidney disease, lung disease, anemia, rhythm disorders of the heart.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
METHYLENE CHLORIDE	AC3 CNS IRR KID LIV SOM	YES	2B	YES
BUTANE	CAR CNS IRR LUN	NO	NO	NO
ISOBUTANE	CAR CNS LUN	NO	NO	NO
PROPANE	CAR CNS IRR	NO	NO	NO
METHYL ALCOHOL	EYE HRT IRR KID LIV MET NER REP	NO	NO	NO
Non-hazardous ingredients	No Data	NO	NO	NO

LOCTITE CORPORATION

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Abbreviations

2B Possibly carcinogenic to humans	AC3 ACGIH animal carcinogen.
CAR Cardiac	CNS Central nervous system
EYE Eyes	HRT Heart
IRR Irritant	KID Kidney
LIV Liver	LUN Lung
MET Metabolic	NER Nervous System
REP Reproductive	SOM Evidence of some carcinogenicity

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention. Gastric lavage.

Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention. Give oxygen.

Skin Contact: Wash with soap and water.

Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: -142°F Tag closed cup

Recommended Extinguishing Agents: Carbon dioxide, dry chemical, water fog, foam

Special Firefighting Procedures: Keep containers cool. Use equipment or shielding required to protect against bursting or venting containers.

Hazardous Products formed by Fire or Thermal Decomp: Hydrochloric acid, phosgene,, chlorine, carbon dioxide

Unusual Fire or Explosion Hazards: Heated can may burst

Explosive Limits:
(% by volume in air) Lower 1.8%
(% by volume in air) Upper 9.5%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Maintain good ventilation. Take up with an inert absorbent. Store in a closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage: Store away from heat, spark or open flame. Store below 120°F.

(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)

Handling: Avoid prolonged breathing of vapor. Keep away from eyes. Avoid prolonged skin contact. Keep away from heat, sparks, or open flame. Do not smoke while using. Wash hands after use. When spraying more than one half can or more than one can consecutively, use NIOSH approved respirator.

8. EXPOSURE CONTROLS. PERSONAL PROTECTION

Eyes: Chemical goggles or face shield.

Skin: VITON or 4H gloves. Long sleeves and long pants.

Ventilation: Provide adequate local ventilation to maintain vapor concentration below TLV.

Respiratory: NIOSH approved respirator if vapor concentration exceeds TLV.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid

Odor: Solvent

Boiling Point: -40°F to 148°F

pH: Does not apply

Solubility in Water: Nil

Specific Gravity: 0.9

Volatile Organic Compound (EPA Method 24) 32.5% 293 gram per liter of material (calculated)

Vapor Pressure: 60 mm at 70°F

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Vapor Density: 4.0
Evaporation Rate (Ether = 1) More than butyl acetate

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10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong oxidizers, strong alkalies, reactive metals
aluminum, nitrogen peroxide, sodium, potassium.
Conditions to Avoid: High temperatures
Hazardous Decomposition Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Follow EPA and local regulations for disposal of chlorinated hydrocarbons. Do not incinerate cans still under pressure.

EPA Hazardous Waste Number: D001/F002 - Hazardous waste per 40CFR 261.21 and 261.31/Methylene Chloride

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Consumer Commodity
Hazard Class or Division: ORM-D
Identification Number: None
Marine Pollutant: None
IATA
Proper Shipping Name: Aerosols, flammable containing substances in Division 6.1, Packing Group III
Class or Division: Division 2.1 Subsidiary Risk 6.1
UN or ID Number: UN 1950

15. REGULATORY INFORMATION

CA Proposition 65: Warning: This product contains a chemical known to the State of California to cause cancer. Dichloromethane

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 2
Fire Hazard: 4
Reactivity Hazard: 0
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 3*
Flammability Hazard: 4
Reactivity Hazards: 0
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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