

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) Chisel(R) Gasket Remover
 Item No.: 79040
 Product Type: Solvent

2. COMPOSITION, INFORMATION ON INGREDIENTS

| Ingredients | CAS No. | % |
|--------------------------------|-------------|-------|
| METHYLENE CHLORIDE* | 75-09-2 | 65-80 |
| Liquified petroleum propellant | 68476-86-8 | 20-30 |
| METHYL ALCOHOL* | 67-56-1 | 1-10 |
| Non-hazardous ingredients | Proprietary | 1-3 |
| PROPYLENE OXIDE* | 75-56-9 | 0.1-1 |

* 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 |
| Liquified petroleum propellant | None | None | 1000 ppm 1800 mg/m3 |
| METHYL ALCOHOL | 200ppm TWA skin 262 mg/m3 skin | 200ppm TWA skin 262 mg/m3 skin | None |
| PROPYLENE OXIDE | 2 ppm TWA | 20 ppm TWA 50 mg/m3 | 5 ppm 6 ppm STEL |

| Exposure Limits (STEL) Ingredients | ACGIH (TLV) | OSHA (PEL) |
|---------------------------------------|--------------------------------|--------------------------------|
| METHYLENE CHLORIDE | None | 125 ppm |
| METHYL ALCOHOL | 250 ppm skin 328 mg/m3 skin | 250 ppm skin 325 mg/m3 skin |

3. HAZARDS IDENTIFICATION

Toxicity: Inhalation of high concentrations may irritate nose and throat and cause symptoms of intoxication. Direct spray or vapors will irritate and may harm eyes. Product may cause irritation due to defatting of skin upon skin contact. This material may be harmful or fatal if swallowed. Ingestion may result in vomiting. Aspiration of vomitus into lungs must be avoided as even small amounts may result in pneumonitis.

Primary Routes of Entry: Inhalation, ingestion, eye and skin contact.
Signs and Symptoms of Exposure:

May cause skin and eye irritation, dermatitis, or defatting of skin on prolonged or repeated contact. Inhalation may cause nausea, dizziness, irritation of nose and throat, watering of eyes. Ingestion may cause irritation, vomiting, diarrhea, nausea. Symptoms of intoxication include dizziness, nausea, headache, indigestion.

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

| Ingredients | Literature Referenced Target Organ and Other Health Effects | Carcinogen | | |
|--------------------------------|--|------------|------|------|
| | | NTP | IARC | OSHA |
| METHYLENE CHLORIDE | AC3 CNS IRR KID LIV SOM | YES | 2B | YES |
| Liquified petroleum propellant | No Data | NO | NO | NO |
| METHYL ALCOHOL | EYE HRT IRR KID LIV MET NER REP | NO | NO | NO |
| Non-hazardous ingredients | No Data | NO | NO | NO |
| PROPYLENE OXIDE | AC3 COR IRR MUT NER SOM | YES | 2A | NO |

Abbreviations

- | | |
|------------------------------------|------------------------------------|
| 2A Probably carcinogenic to humans | 2B Possibly carcinogenic to humans |
| AC3 ACGIH animal carcinogen. | CNS Central nervous system |
| COR Corrosive | EYE Eyes |
| HRT Heart | IRR Irritant |
| KID Kidney | LIV Liver |
| MET Metabolic | MUT Mutagen |
| NER Nervous System | REP Reproductive |

MATERIAL SAFETY DATA SHEET

Page 2 of 3

Product Name: Loctite(R) Chisel(R) Gasket Remover
Item No.: 790403. HAZARDS IDENTIFICATION

(continued)

SOM Some evidence of carcinogenicity

4. FIRST AID MEASURES

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

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

Skin Contact: Remove contaminated clothing and wash skin with soap and water. Obtain medical attention if irritation persists.

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: Less than 0°F. Tag closed cup

Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical (B-C). Do not use water.

Special Firefighting Procedures: Use water spray to keep containers cool to avoid bursting. USE NIOSH approved self contained breathing apparatus and full protective gear.

Hazardous Products formed by Fire or Thermal Decomposition: Oxides of carbon, chlorine, hydrochloric acid, phosgene.

Unusual Fire or Explosion Hazards: Contents under pressure. Exposure to temperatures above 120°F may cause container to burst.

Explosive Limits:
(% by volume in air) Lower 1.5%
(% by volume in air) Upper 9.5%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Remove sources of ignition. Contain spill. Absorb spill with inert material, then place in a chemical waste container until disposal

7. HANDLING AND STORAGE

Safe Storage: Do not store or use near heat, sparks, or flame. Do not puncture or incinerate container. Exposure to temperatures above 120°F may cause container to burst.

(Contact Loctite Customer Handling: Service 1-800-243-4874 for shelf life information)
Keep away from eyes. Avoid skin contact. Avoid breathing of vapors. Use with adequate ventilation. Do not use near sources of ignition. Keep out of reach of children.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses with side shields, goggles or face shield.

Skin: Chemical resistant gloves: Viton or other suitable methylene chloride.

Ventilation: Sufficient ventilation to maintain vapor concentration below TLV.

Respiratory: NIOSH approved respirator if ventilation is inadequate to maintain below TLV.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Grey to off-white spray.

Odor: Sharp solvent

Boiling Point: Not available

pH: Does not apply

Solubility in Water: Slight

Specific Gravity: Less than 1

Volatile Organic Compound (EPA Method 24): Not available

Vapor Pressure: 30-50 psig

Vapor Density: Not available

MATERIAL SAFETY DATA SHEET

Product Name: Loctite(R) Chisel(R) Gasket Remover
 Item No.: 79040

9. PHYSICAL AND CHEMICAL PROPERTIES (continued)

Evaporation Rate (Ether = 1) Not available

10. STABILITY AND REACTIVITY

Stability: Stable
 Hazardous Polymerization: Will not occur
 Incompatibility: Strong oxidizers, strong alkalies, sodium, potassium, and other reactive metals.
 Conditions to Avoid: Do not store or use near fire, sparks, or flame. Do not puncture or incinerate container. Exposure to temperatures above 120°F may cause container to burst.
 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: Contact disposal contractor licensed to handle flammable chlorinated hydrocarbons.
 EPA Hazardous Waste Number: D001

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.

Prepared By: Stephen Repetto
 Title: Research Chemist - Health & Regulatory Affairs
 Company: Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067
 (24hr.) Phone: (860) 571-5100
 Revision Date: February 14, 2002 Revision: 0032