



MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: LOCTITE 790 CHISEL GASKET REMOVER

Proper Shipping Name: AEROSOLS

Other Name(s): LOCTITE CHISEL GASKET REMOVER 790

Product Code(s): 135544

Part Number(s): 79040 (510 gram)

Use: Cleaning solvent

Supplier: HENKEL AUSTRALIA PTY. LIMITED ABN 82 001 302 996
TECHNOLOGIES
135-141 Canterbury Road, Kilsyth, Victoria, 3137 Tel:(03) 9724 6444
24 HOUR EMERGENCY CONTACT NUMBER Tel:1800 032 379

SECTION 2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE:

Hazardous according to the criteria of NOHSC. This material has been classified as Harmful (Xn) and Irritant (Xi).

Risk phrase(s):

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R36/38 Irritating to eyes and skin.
R40 Limited evidence of a carcinogenic effect.

Safety phrase(s):

S16 Keep away from sources of ignition.
S23 Do not breathe vapour.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).
S47 Keep at temperature not exceeding 50°C
S51 Use only in well ventilated areas.

DANGEROUS GOODS INFORMATION:

Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Class: 2.1
Subsidiary Risk: 6.1

SUSDP POISON SCHEDULE: None allocated



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

CHEMICAL ENTITY	CAS NO.	PROPORTION
Dichloromethane	[75-09-2]	> 60%
Liquified petroleum propellant	[68476-86-8]	10-30%
Methanol	[67-56-1]	5-10%
Propylene oxide	[75-56-9]	< 1%

SECTION 4. FIRST AID MEASURES

Ingestion: If swallowed, **do not induce** vomiting. For advice, contact a Poisons Information Centre (Phone 13 11 26) or a doctor. Avoid giving milk or oils.

Skin: Remove contaminated clothing and wash affected areas with running water. If irritation occurs, seek medical attention.

Eyes: Hold eyes open and flush with running water for at least 15 minutes. Seek medical advice or contact a Poisons Information Centre (Phone 13 11 26).

Inhalation: If inhaled, remove from contaminated area. For all but the most minor symptoms, arrange for patient to be seen by a doctor as soon as possible. Apply artificial respiration if not breathing.

Advice to doctor: Treat symptomatically.

First Aid facilities: Eye wash and washroom facilities or safety shower.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water fog, foam, carbon dioxide, dry chemical.

Hazardous decomposition products: Under fire conditions, it will produce highly toxic fumes of phosgene, hydrogen chloride and carbon monoxide.

Precautions for fire fighters and special protective equipment: Heating aerosol containers may cause an explosion. Fire-fighters should wear full protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Wear protective gloves, chemical goggles and waterproof boots. Contain and collect spillage with absorbent materials (e.g. sand, earth, vermiculite). Transfer to sealable containers suitable for storing spilled material. Wash areas in contact with spilled material with adequate water to render the area safe for human contact. Note: Residues are not water soluble. Do not contaminate watercourse. Dispose of residues in chemical waste disposal area in accordance with relevant State and Federal requirements.

SECTION 7. HANDLING AND STORAGE

Safe Handling: Observe recommendations made under SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION. Wear impervious gloves and chemical splash goggles. Use in a well ventilated area. Dichloromethane is a highly volatile solvent and precautions should be taken to minimise vapour concentrations in the work environment.



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Storage: Store indoors in a cool, dry, well ventilated area. Protect from physical damage. This container is pressurised. Protect from sunlight and do not expose to temperatures exceeding 50°C. Store according to relevant State Dangerous Goods Storage Requirements.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National exposure standards: TWA : 50 ppm (174 mg/m³) as dichloromethane
200 ppm (262 mg/m³) as methanol

Engineering controls: In confined areas, a local mechanical exhaust system is required if vapour or mist is being generated.

Personal protective equipment: Avoid contact with skin and eyes. Wear suitable protective clothing, enclosed footwear, polyvinyl alcohol gloves¹ and chemical splash goggles or full face shield. Use with adequate ventilation. If inhalation risk exists, wear an organic vapour respirator complying with the requirements of AS 1715 and AS 1716.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical data:

Appearance: Grey to off-white liquid
Specific gravity: 0.79 @ 20°C
Odour: Characteristic
Solubility: Slightly soluble in water
Vapour density (k=1.0) > 1
Boiling point: 40°C approximately

SECTION 10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of temperature and pressure.

Conditions to avoid: Avoid heat sources and open flames.

Incompatible materials: Keep away from acids, alkalies, alkali metals, oxidising agents, aluminium, magnesium or zinc powders. Some plastics may be softened by this product.

Hazardous decomposition products: When heated to decomposition, it will emit toxic fumes of phosgene, hydrogen chloride and carbon monoxide.

Hazardous reactions: Will not polymerise.

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

Acute:

Ingestion: This product may cause severe irritation to the mouth, throat and digestive tract. Ingestion effects may include nausea, vomiting, stomach pain, blood disorders, convulsions, a change in cardiac rate and harmful effects on the optic nerves.

Skin: Contact with skin can cause irritation. This product can be absorbed through the skin.

Eyes: Liquid contact with the eyes can cause irritation.

Inhalation: Inhalation of vapour may cause respiratory irritation. Exposure to high concentrations of vapour may cause irregular heartbeat, headache, anaesthesia, poor coordination and loss of consciousness.



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Chronic: Repeated or prolonged skin contact may cause defatting of the skin and lead to dermatitis. Long term inhalation exposure may lead to blood disorders, chest pain and harmful effects on the central nervous system and liver.
Dichloromethane is classified as a Category 3 Carcinogen. (R40 Limited evidence of a carcinogenic effect)

Toxicity information: Acute Oral LD₅₀ (rat): 5628 mg/kg as methanol²
Acute Oral LD₅₀ (rat): 2136 mg/kg as dichloromethane²
Inhal TCLo (human): 500 ppm as dichloromethane²

SECTION 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways and soil. This product may cause harmful effects to aquatic life. Dichloromethane is not readily biodegradable.

Fish toxicity: 96 h LC₅₀ (P.promelas) : 310 mg/l as dichloromethane³
Daphnia toxicity: 48 h EC₅₀ (Daphnia magna) : 1682 mg/l as dichloromethane³

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of any unwanted material at a chemical waste collection site. Do not puncture or incinerate containers, even after use. Empty containers should be disposed of as industrial or household waste.

SECTION 14. TRANSPORT INFORMATION

UN Number: 1950
Proper Shipping Name: AEROSOLS
Class: 2.1
Subsidiary risk: 6.1
Packing Group: -
Hazchem code: -
Emergency Information: Dangerous Goods-Initial Emergency Response Guide (SAA/SNZ HB 76) or EPG 2D1.

SECTION 15. REGULATORY INFORMATION

SUSDP POISON SCHEDULE: None allocated

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:

NOHSC - National Occupational Health and Safety Commission
SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons
TWA - Time-weighted average

References:

1. Quick Selection Guide to Chemical Protective Clothing, Fourth Edition, 2003: Forsberg and Mansdorf, Wiley-Interscience.
2. Sax and Lewis, Dangerous Properties of Industrial Materials, 7th Edition (1989).
3. Ecological data: Merck MSDS for Dichloromethane, Aug. 2001



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DISCLAIMER:

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