



Revision Number: 003.2

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Loctite(R) Chisel(R) MC-Free Gasket Remover (Methylene Chloride Free)	IDH number:	322659
Product type:	Solvent based cleaner	Item number:	34663
Company address:	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	Region:	United States
		Contact information:	Telephone: 860.571.5100 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Aerosol, Liquid	HEALTH:	*2
Color:	Colorless	FLAMMABILITY:	1
Odor:	Solvent	PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS Section 8

WARNING: CONTENTS UNDER PRESSURE.
HARMFUL IF SWALLOWED OR INHALED.
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY CAUSE EYE AND SKIN BURNS.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation:	Causes respiratory tract irritation. May cause central nervous system effects.
Skin contact:	Causes skin irritation. May cause skin burns.
Eye contact:	Vapors irritate the eyes. Contact with liquid or mist will irritate the eyes. May cause eye burns.
Ingestion:	Not expected under normal conditions of use. Harmful if swallowed.

Existing conditions aggravated by exposure: Not available

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
n-Propyl bromide	106-94-5	60 - 100
Norflurane	811-97-2	30 - 60
Methanol	67-56-1	5 - 10
Stoddard solvent	8052-41-3	1 - 5

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:	After contact with skin, wash immediately with plenty of water. If symptoms develop and persist, get medical attention.
Eye contact:	Seek medical advice. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Ingestion:	Do not induce vomiting. Seek medical advice.

5. FIRE FIGHTING MEASURES

Flash point:	Not flammable by flame extension method.
Flashback:	This product exhibits no flashback when tested for flame extension.
Autoignition temperature:	Not available
Flammable/Explosive limits - lower:	Not available
Flammable/Explosive limits - upper:	Not available
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).
Unusual fire or explosion hazards:	Cool aerosol containers with jet of water. Containers may explode.
Hazardous combustion products:	Oxides of carbon. Hydrogen bromide, Bromine. Irritating organic vapours.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not let product enter drains.
Clean-up methods:	Do not empty into drains / surface water / ground water. Soak up with inert absorbent. Wear suitable protective clothing, gloves and eye/face protection. Remove all sources of ignition. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Do not puncture or incinerate pressurized containers. Avoid contact with skin and clothing. Use only in area provided with appropriate exhaust ventilation. Keep away from sources of ignition - no smoking.
Storage:	Store in a cool, dry, well-ventilated area. Keep away from heat, spark and flame.

Shelf Life Statement: Not available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
n-Propyl bromide	10 ppm TWA	None	None	None
Norflurane	None	None	1,000 ppm (4,240 mg/m3) TWA	None
Methanol	200 ppm TWA (SKIN) 250 ppm STEL	200 ppm (260 mg/m3) TWA	None	None
Stoddard solvent	100 ppm TWA	500 ppm (2,900 mg/m3) TWA	None	None

Engineering controls: Local exhaust ventilation is recommended to control exposures from operations generating aerosols and hot operations generating vapors. Use only with adequate ventilation.

Respiratory protection: Use a NIOSH approved respirator if ventilation is inadequate.

Eye/face protection: Safety goggles or safety glasses with side shields.

Skin protection: Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Aerosol, Liquid
Color: Colorless
Odor: Solvent
Odor threshold: Not available
pH: Not available
Vapor pressure: Not available
Boiling point/range: Not available
Melting point/ range: Not available
Vapor density: Not available
Flash point: Not flammable by flame extension method.
Flashback: This product exhibits no flashback when tested for flame extension.
Flammable/Explosive limits - lower: Not available
Flammable/Explosive limits - upper: Not available
Autoignition temperature: Not available
Evaporation rate: Not available
Solubility in water: Not available
Partition coefficient (n-octanol/water): Not available
VOC content: Not available

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous reactions: Will not occur.

Hazardous decomposition products: Oxides of carbon. Irritating and toxic gases or fumes may be released during a fire.

Incompatible materials: Acids and bases. Oxidizing agents.

Conditions to avoid: Avoid excessive heat and ignition sources.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
n-Propyl bromide	No	No	No
Norflurane	No	No	No
Methanol	No	No	No
Stoddard solvent	No	No	No

Hazardous components	Health Effects/Target Organs
n-Propyl bromide	Central nervous system, Irritant, Kidney, Liver, Lung
Norflurane	Cardiac, Central nervous system, Irritant, Respiratory, Skin
Methanol	Eyes, Heart, Irritant, Kidney, Liver, Metabolic, Nervous System, Reproductive
Stoddard solvent	Central nervous system, Irritant

12. ECOLOGICAL INFORMATION

Ecological information:

No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, ground water, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Aerosols
Hazard class or division: 2.2
Identification number: UN 1950
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Aerosols, non-flammable
Hazard class or division: 2.2
Identification number: UN 1950
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: AEROSOLS
Hazard class or division: 2.2
Identification number: UN 1950
Packing group: None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12(b) Export Notification: None above reporting de minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health, Sudden Release

CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Methanol (CAS# 67-56-1).

California Proposition 65: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
WHMIS hazard class: A, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

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