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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite(R) Chisel(R) MC-Free Gasket Remover (Methylene Chloride Free) **Item No. :** 34663
Product type: Solvent Cleaner **Region:** United States
Company address: Henkel Corporation **Contact Information:**
1001 Trout Brook Crossing Telephone: 860.571.5100
Rocky Hill, Connecticut 06067 Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
n-Propyl bromide 106-94-5	60-100	10 ppm TWA	None	WEL: 10 ppm (8 hour TWA)
1,1,1,2-Tetrafluoroethane 811-97-2	30-60	None	None	AEL- 1000 ppm 8 & 12 hour TWA. WEEL 1000 ppm 8 & 12 hour TWA (AIHA), 1000 ppm TWA, (WEEL) None
Methanol 67-56-1	5-10	200 ppm TWA 250 ppm STEL (skin)	200 ppm TWA 260 mg/m ³ TWA	None
Stoddard solvent 8052-41-3	1-5	100 ppm TWA	2900 mg/m ³ TWA 500 ppm TWA	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Aerosol Liquid
Color: Colorless
Odor: Solvent

HEALTH: 2*
FLAMMABILITY: 1
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

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

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects

Inhalation: Harmful by inhalation. Moderate respiratory tract irritation. Shortness of breath. Coughing. Central nervous system effects. Headache. Nausea. Dizziness.
Skin contact: May be harmful if absorbed through skin. May cause skin burns. Severe skin irritation. Pain and discomfort. Swelling. Redness.
Eye contact: Possible burns to eyes. Severe eye irritation. Blurred vision. Excess tearing. Pain and discomfort.
Ingestion: Not expected under normal conditions of use. May be harmful if swallowed.

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Existing conditions aggravated by exposure:

Respiratory disorders. Skin disorders. Eye disorders.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air in case of accidental inhalation of vapours. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Ingestion:	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Flash point:	Not applicable to aerosols. Not flammable by flame extension method. But liquid contents will burn if exposed to an ignition source. Flame Extension: <18 inches.
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:	Dry chemical. Carbon dioxide (CO2).
Special fire fighting procedures:	Fire fighters should wear positive pressure breathing apparatus. Water may be unsuitable as an extinguishing media, but may be helpful in keeping adjacent containers cool.
Unusual fire or explosion hazards:	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
Hazardous combustion products:	Hydrogen bromide, Bromine. Oxides of carbon. Irritating organic fragments.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Do not allow material to contaminate ground water system.
Clean-up methods:	Soak up with inert absorbent. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Use only with adequate ventilation. Keep away from heat, spark and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Do not taste or swallow.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Incompatible products:	Strong acids or bases. Oxidizing agents.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering controls:** Ensure adequate ventilation, especially in confined areas. Work should be done in an adequately ventilated area (i.e., ventilation sufficient to maintain concentrations below one half of the PEL and other relevant standards). Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.
- Respiratory protection:** Use a NIOSH approved air purifying respirator with an organic vapor cartridge if the potential to exceed established exposure limits exists.
- Skin protection:** Permeation resistant gloves (butyl rubber, nitrile rubber, polyvinyl alcohol). Viton gloves.
- Eye/face protection:** Chemical splash goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Aerosol Liquid
Color:	Colorless
Odor:	Solvent
Vapor pressure:	Not available
pH:	Not applicable
Boiling point/range:	Not available
Melting point/range:	Not available
Specific gravity:	1.2469
Vapor density:	Heavier than air
Evaporation rate:	Not available
Solubility in water:	Insoluble.
Partition coefficient (n-octanol/water):	Not available
VOC content:	67.1%; 837 grams/liter

10. STABILITY AND REACTIVITY

- Stability:** Stable.
- Hazardous polymerization:** Will not occur.
- Hazardous decomposition products:** Hydrogen halides Bromine Oxides of carbon.
- Incompatibility:** Oxidizing agents. Reducing agents. Acids and bases.
- Conditions to avoid:** Heat, flames and sparks.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
n-Propyl bromide 106-94-5	No	No	No
1,1,1,2-Tetrafluoroethane 811-97-2	No	No	No
Methanol 67-56-1	No	No	No
Stoddard solvent 8052-41-3	No	No	No

Literature Referenced Target Organ & Other Health Effects

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Hazardous components	Health Effects/Target Organs
n-Propyl bromide 106-94-5	Central nervous system, Irritant, Kidney, Liver, Lung
1,1,1,2-Tetrafluoroethane 811-97-2	Cardiac, Central nervous system, Irritant, Respiratory, Skin
Methanol 67-56-1	Eyes, Heart, Irritant, Kidney, Liver, Metabolic, Nervous System, Reproductive
Stoddard solvent 8052-41-3	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, groundwater, 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 in accordance with Federal, State and local regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

Proper shipping name: Consumer commodity
Hazard class or division: ORM-D
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Consumer commodity
Hazard class or division: 9
Identification number: ID8000
Packing group: None

WaterTransportation (IMO/IMDG):

Proper shipping name: Aerosols, Non-flammable
Hazard class or division: 2.2
Identification number: UN 1950
Packing group: None
Exceptions: Not available
Marine pollutant: None known

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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.

CERCLA/SARA Section 302 EHS: Not available
CERCLA/SARA Section 311/312: Sudden Release, Immediate Health Hazard
CERCLA/SARA 313: Methanol (CAS# 67-56-1) .

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class: A, D.1.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 8

Prepared by: Lou Fabrizio, Senior Health & Regulatory Affairs Specialist

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