



Revision Number: 004.0

Issue date: 03/08/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE MR 5009 HI-TACK GASKET SEALANT known as Loctite(R) Hi-Tack Gasket Seal
Product use: Sealant
Company address: Henkel Canada Corporation
 2515 Meadowpine Boulevard
 Mississauga, Ontario L5N 6C3

IDH number: 234910
Item number: 30526
Region: Canada
Contact information:
 Telephone: 905.814.6511
 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: Liquid
Color: Red
Odor: Acetone
WHMIS hazard class: A, B.5, D.1.B, D.2.A, D.2.B

DANGER: EXTREMELY FLAMMABLE LIQUID AND VAPOR.
 CONTENTS UNDER PRESSURE.
 MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
 MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR INHALED.

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

Potential Health Effects

Inhalation: Excessive inhalation of this material causes headache, dizziness, nausea and incoordination. May cause irritation to nose and throat.
Skin contact: May cause skin irritation. May be harmful if absorbed through skin. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.
Eye contact: May cause irritation. Tearing. Redness. Stinging. Swelling.
Ingestion: May cause gastrointestinal tract irritation if swallowed.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Butane (< 0.1 % butadiene)	106-97-8	10 - 30
Acetone	67-64-1	10 - 30
Propane	74-98-6	10 - 30
Methylene chloride	75-09-2	10 - 30
Ethyl acetate	141-78-6	1 - 5
Solvent naphtha, petroleum, light aliph.	64742-89-8	1 - 5

IDH number: 234910

Product name: LOCTITE MR 5009 HI-TACK GASKET SEALANT known as Loctite(R) Hi-Tack Gasket Seal

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Wash with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention.
Eye contact:	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
Ingestion:	If conscious, drink plenty of water. Do not induce vomiting. Keep individual calm. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	Not applicable to aerosols. Not applicable to aerosols.
Flashback:	This product exhibits flashback when tested for flame extension.
Flame projection:	63.5 cm (25inch)
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:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	Contents under pressure. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back. Do not puncture or incinerate pressurized containers.
Hazardous combustion products:	Oxides of carbon. Aldehydes. Hydrocarbons. Irritating organic vapours.
Sensitivity to Mechanical Impact:	Not available.
Sensitivity to static discharge:	Not available.

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 allow product to enter sewer or waterways.
Clean-up methods:	Remove all sources of ignition. Ensure adequate ventilation. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition.
------------------	--

Storage:

For safe storage, store at or below 49 °C (120.2 °F)
Store away from heat, sparks, flames, or other sources of ignition. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F).

For information on product shelf life contact Henkel Canada Customer Service at 800-263-5043.

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
Butane (< 0.1 % butadiene)	1,000 ppm TWA	None	None	None
Acetone	500 ppm TWA 750 ppm STEL	1,000 ppm (2,400 mg/m3) TWA	None	None
Propane	1,000 ppm TWA	1,000 ppm (1,800 mg/m3) TWA	None	None
Methylene chloride	50 ppm TWA	12.5 ppm OSHA ACT 125 ppm STEL 25 ppm TWA	None	None
Ethyl acetate	400 ppm TWA	400 ppm (1,400 mg/m3) TWA	None	None
Solvent naphtha, petroleum, light aliph.	None	None	None	None

Engineering controls:

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Respiratory protection:

Use NIOSH approved respirator if there is potential to exceed exposure limit(s). A NIOSH approved self-contained breathing apparatus with full face shield is required for methylene chloride concentrations above 625 ppm and for spills and emergencies.

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Chemical resistant, impermeable gloves. Neoprene, Butyl-rubber, or nitrile-rubber gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Red
Odor:	Acetone
Odor threshold:	Not available.
pH:	Not available.
Vapor pressure:	400 mm hg (38 °C (100.4 °F))
Boiling point/range:	Not available.
Melting point/ range:	Not available.
Specific gravity:	0.93
Vapor density:	Not available.
Flash point:	Not applicable to aerosols. Not applicable to aerosols.
Flashback:	This product exhibits flashback when tested for flame extension.
Flame projection:	63.5 cm (25inch)
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Autoignition temperature:	Not available.
Evaporation rate:	Not available.
Solubility in water:	Insoluble
Solubility in water:	Partially soluble
Partition coefficient (n-octanol/water):	Not available.
VOC content:	60 %

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Oxides of carbon. Oxides of nitrogen. Hydrocarbons. Irritating organic vapours.
Incompatible materials:	Strong oxidizing agents. Reducing agents. Acids.
Conditions to avoid:	Keep away from open flames, hot surfaces and sources of ignition. See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

11. TOXICOLOGICAL INFORMATION

Toxicologically synergistic products: Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)	ACGIH Carcinogen
Butane (< 0.1 % butadiene)	No	No	No	No
Acetone	No	No	No	Group A4
Propane	No	No	No	No
Methylene chloride	Reasonably Anticipated to be a Human Carcinogen.	Group 2B	No	Group A3
Ethyl acetate	No	No	No	No
Solvent naphtha, petroleum, light aliph.	No	No	No	No

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
Butane (< 0.1 % butadiene)	Inhalation LC50 (RAT, 4 h) = 658 mg/l	Cardiac, Central nervous system, Irritant
Acetone	Oral LD50 (RAT) = 5,800 mg/kg Oral LD50 (rabbit) = 5,340 mg/kg Oral LD50 (RAT) = 9,800 mg/kg Dermal LD50 (rabbit) = 20,000 mg/kg Inhalation LC50 (RAT, 4 h) = 76 mg/l Inhalation LC50 (RAT, 8 h) = 50.1 mg/l	Blood, Central nervous system, Irritant, Reproductive
Propane	Inhalation LC50 (RAT, 15 min) = 1,464 mg/l Inhalation LC50 (RAT, 15 min) = 1,442.847 mg/l	Cardiac, Central nervous system, Irritant
Methylene chloride	Oral LD50 (RAT) = 1,600 mg/kg Oral LD50 (RAT) = 3,000 mg/kg Inhalation LC50 (RAT, 15 min) = 2,000 mg/l Inhalation LC50 (RAT, 2 h) = 79 mg/l Inhalation LC50 (RAT, 6 h) = 52 mg/l Inhalation LC50 (RAT, 900 d) = 88 mg/l	Blood, Cardiac, Central nervous system, Corrosive, Irritant, Kidney, Liver, Some evidence of carcinogenicity
Ethyl acetate	Oral LD50 (RAT) = 5.6 g/kg Oral LD50 (rabbit) = 4.94 g/kg Oral LD50 (rabbit) = 4.9 g/kg Inhalation LC50 (RAT, 6 h) = 16,000 mg/l	Blood, Central nervous system, Irritant
Solvent naphtha, petroleum, light aliph.	None	Irritant

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

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

14. TRANSPORT INFORMATION

Canada Transportation of Dangerous Goods - Ground

Proper shipping name: AEROSOLS
Hazard class or division: 2.1 (6.1)
Identification number: UN 1950
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Aerosols, flammable, containing substances in Division 6.1, Packing Group III
Hazard class or division: 2.1 (6.1)
Identification number: UN 1950
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: AEROSOLS (Methylene chloride)
Hazard class or division: 2.1 (6.1)
Identification number: UN 1950
Packing group: None

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

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.

16. OTHER INFORMATION

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

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.