



Revision Number: 004.2

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	LOCTITE MR 5426 AE known as Maximum Strength Headliner Adh	IDH number:	476035
Product use:	Adhesive	Item number:	37312
Company address:	Henkel Canada Corporation 2515 Meadowpine Boulevard Mississauga, Ontario L5N 6C3	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:	Aerosol, Liquid	WHMIS hazard class:	A, B.5, D.2.A, D.2.B
Color:	white		
Odor:	Solvent		

DANGER: CONTENTS UNDER PRESSURE.
EXTREMELY FLAMMABLE.
HARMFUL IF SWALLOWED OR INHALED.

Relevant routes of exposure: Eye contact, Lungs, Ingestion, Skin

Potential Health Effects

Inhalation:	Inhalation of mist or spray may be harmful. May cause symptoms of intoxication. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. May cause irritation to nose and throat.
Skin contact:	Mild skin irritation. Repeated or prolonged contact can result in drying of skin. Redness. Burning sensation.
Eye contact:	Liquid, aerosols or vapor are irritating and can cause tearing, reddening and swelling. Mild eye irritation.
Ingestion:	If swallowed, may be aspirated into the lungs resulting in inflammation and possible fluid accumulation. Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful.

Existing conditions aggravated by exposure: Skin disorders. Lung disorders.

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Acetone	67-64-1	10 - 30
Petroleum gases, liquefied	68476-85-7	10 - 30
Cyclohexane	110-82-7	10 - 30
Solvent naphtha, petroleum, light aliph.	64742-89-8	5 - 10
Benzene	71-43-2	0 - 0.1

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. Get immediate medical attention. If not breathing, give artificial respiration.
Skin contact:	Wash clothing before reuse. Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention.
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	Do not induce vomiting. Get immediate medical attention.
Notes to physician:	This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

5. FIRE FIGHTING MEASURES

Flash point:	Not available.
Flashback:	This product exhibits no flashback when tested for flame extension.
Flame projection:	> 91.44 cm (> 36inch)
Autoignition temperature:	Not available.
Flammable/Explosive limits - lower:	1.8 %
Flammable/Explosive limits - upper:	9.5 %
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. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.
Unusual fire or explosion hazards:	Exposure to temperatures above 49°C (120°F) may cause container to burst. Contents under pressure.
Hazardous combustion products:	Hydrocarbons. Oxides of carbon.
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:	None known
Clean-up methods:	Store in a partly filled, closed container until disposal. Follow all local, state, federal and provincial regulations for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling:	Use only with adequate ventilation. Do not puncture or incinerate pressurized containers. Keep container closed. Avoid skin and eye contact.
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Storage:

Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Store away from heat, sparks, flames, or other sources of ignition.

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
Acetone	750 ppm STEL 500 ppm TWA	1,000 ppm (2,400 mg/m3) PEL	None	None
Petroleum gases, liquefied	Included in the regulation but with no data values. See regulation for further details	1,000 ppm (1,800 mg/m3) PEL	None	None
Cyclohexane	100 ppm TWA	300 ppm (1,050 mg/m3) PEL	None	None
Solvent naphtha, petroleum, light aliph.	None	None	None	None
Benzene	0.5 ppm TWA (SKIN) 2.5 ppm STEL	0.5 ppm OSHA_ACT 1 ppm TWA 5 ppm STEL 10 ppm TWA 25 ppm Ceiling 50 ppm MAX. CONC 10 minutes	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).

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:	white
Odor:	Solvent
Odor threshold:	Not available.
pH:	Not applicable
Vapor pressure:	Not available.
Boiling point/range:	Not available.
Melting point/ range:	Not available.
Vapor density:	Not available.
Flash point:	Not available.
Flashback:	This product exhibits no flashback when tested for flame extension.
Flame projection:	> 91.44 cm (> 36inch)
Flammable/Explosive limits - lower:	1.8 %
Flammable/Explosive limits - upper:	9.5 %
Autoignition temperature:	Not available.
Evaporation rate:	Greater than butyl acetate., (Butyl acetate = 1)
Solubility in water:	Insoluble
Partition coefficient (n-octanol/water):	Not available.
VOC content:	64 %

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	None
Incompatible materials:	Strong acids and oxidizing agents.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition.

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 Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Acetone	No	No	No
Petroleum gases, liquefied	No	No	No
Cyclohexane	No	No	No
Solvent naphtha, petroleum, light aliph.	No	No	No
Benzene	No	Group 1	No

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
Acetone	Oral LD50 (RABBIT) = 5,340 mg/kg Oral LD50 (RAT) = 5,800 mg/kg Oral LD50 (RAT) = 9,800 mg/kg Dermal LD50 (RABBIT) = 20,000 mg/kg Inhalation LC50 (RAT, 8 h) = 50.1 mg/l Inhalation LC50 (RAT, 4 h) = 76 mg/l	Blood, Central nervous system, Irritant, Reproductive
Petroleum gases, liquefied	None	Cardiac, Central nervous system, Irritant, Lung, Skin
Cyclohexane	Oral LD50 (RAT) = 29,820 mg/kg	Irritant, Central nervous system
Solvent naphtha, petroleum, light aliph.	None	Irritant
Benzene	Oral LD50 (RAT) = 3,306 mg/kg Inhalation LC50 (RAT, 7 h) = 10000 ppm	Blood, Bone Marrow, Carcinogen, Immune system, Irritant, Mutagen, Nervous System

12. ECOLOGICAL INFORMATION

Ecological information: Not known.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal. Incinerate liquid obtained by spray-emptying cans following EPA and local regulations.

14. TRANSPORT INFORMATION

Canada Transportation of Dangerous Goods - Ground

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

International Air Transportation (ICAO/IATA)

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
Exceptions: (Not more than 500 ml), ID8000, May Qualify as Consumer Commodity

Water Transportation (IMO/IMDG)

Proper shipping name: AEROSOLS
Hazard class or division: 2.1
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: Reviewed MSDS. Reissued with new date.

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: For Safety and Regulatory information contact: Regulatory Affairs Rocky Hill, CT 860-571-5204

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