



Revision Number: 007.0

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1. IDENTIFICATION

Product name:	LOCTITE MR 5426 AE known as Maximum Strength Headliner Adhesive	IDH number:	476035
Product type/ Recommended use:	Aerosol	Item number:	37312
Restriction of Use:	None identified	Region:	United States
Company address:	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	Contact information:	Telephone: +1 (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 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

DANGER:

H222 - EXTREMELY FLAMMABLE AEROSOL.
H229 - PRESSURIZED CONTAINER: MAY BURST IF HEATED.
H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
H315 - CAUSES SKIN IRRITATION.
H318 - CAUSES SERIOUS EYE DAMAGE.
H336 - MAY CAUSE DROWSINESS OR DIZZINESS.

HAZARD CLASS	HAZARD CATEGORY
AEROSOL	1
SKIN IRRITATION	2
SERIOUS EYE DAMAGE	1
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3
ASPIRATION HAZARD	1

PICTOGRAM(S)



Precautionary Statements

Prevention:

P210 - Keep away from heat, sparks, open flames, hot surfaces - no smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P261 - Avoid breathing mist or spray.
P264 - Wash affected area thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.

Response:

P280 - Wear protective gloves, eye protection, and face protection.
P301+P310 - IF SWALLOWED: Immediately call a physician or poison control center.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P304+P340+P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 - Do NOT induce vomiting.

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Storage: P332+P313 - If skin irritation occurs: Get medical attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
Disposal: P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Other hazards Not available.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Weight %*
Cyclohexane	110-82-7	10 - 30
acetone	67-64-1	10 - 30
Petroleum gases, liquefied	68476-85-7	10 - 30
Solvent naphtha, petroleum, light aliph.	64742-89-8	5 - 10

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

Non hazardous components

Actual concentration or concentration range is withheld as a trade secret

4. FIRST AID MEASURES

First Aid Measures by likely routes of exposure

Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. 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 unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical attention.
Most important symptoms and effects (acute and delayed):	The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.
Indication of any immediate medical attention / special treatment needed:	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

Extinguishing media:	Foam, dry chemical or carbon dioxide.
Improper extinguishing agents:	Not available.
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:	Contents under pressure. Exposure to temperatures above 49°C (120°F) may cause container to burst.

Hazardous combustion products:

Oxides of carbon. Hydrocarbons. Toxic and irritating vapors.

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:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling:

Use only with adequate ventilation. Do not puncture or incinerate pressurized containers. Keep container closed. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.

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.

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 Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Cyclohexane	100 ppm TWA	300 ppm (1,050 mg/m3) PEL	None	None
acetone	250 ppm TWA 500 ppm STEL	1,000 ppm (2,400 mg/m3) PEL	None	None
Petroleum gases, liquefied	D: Simple asphyxiant, EX: Explosion hazard (Simple asphyxiant.)	1,000 ppm (1,800 mg/m3) PEL	None	None
Solvent naphtha, petroleum, light aliph.	(SKIN) 100 ppm TWA	100 ppm (400 mg/m3) PEL	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. Full face protection should be used if the potential for splashing or spraying of product exists.

Skin protection:

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

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:

> 100 °F (> 37.8 °C)

Melting point/ range:

Not available.

Density/Relative density:

Not available.

Relative vapor density:

Not available.

Flash point:

Not applicable to aerosols.

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.
Flammability:	Not applicable
Evaporation rate:	Greater than butyl acetate., (Butyl acetate = 1)
Solubility:	Insoluble Water
Partition coefficient n-octanol/water (logarithmic value):	Not available.
VOC content:	63.8 %
Dynamic viscosity:	Not available.
Kinematic viscosity:	Not available.
Particle characteristics:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Hazardous reactions:	None under normal processing.
Hazardous decomposition products:	Oxides of carbon. Irritating organic vapours. Hydrocarbons.
Incompatible materials:	Strong acids and oxidizing agents.
Reactivity:	Not available.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Skin, Inhalation, Eyes, Ingestion
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Potential Health Effects/Symptoms

Inhalation:	May cause central nervous system effects with nausea, dizziness and headache.
Skin contact:	Causes skin irritation. Repeated or prolonged contact can result in drying of skin.
Eye contact:	Causes serious eye damage.
Ingestion:	Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis.

Hazardous Component(s)	LD50s and LC50s
Cyclohexane	Oral LD50 (Rat) = 29,820 mg/kg Oral LD50 (Mouse) = 1,300 mg/kg Inhalation LC50 (Rat, 4 h) = > 32,880 mg/m3 Inhalation LC50 (Rat, 4 h) = > 5540 ppm
acetone	Oral LD50 (Mouse) = 5.2 g/kg Oral LD50 (Mouse) = 3,000 mg/kg 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, 4 h) = 76 mg/l Inhalation LC50 (Rat, 4 h) = 50.1 mg/l
Petroleum gases, liquefied	None
Solvent naphtha, petroleum, light aliph.	Inhalation LC50 (Rat, 4 h) = > 7,630 mg/m3 Inhalation LC50 (Rat, 4 h) = > 5,610 mg/m3

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
Cyclohexane	Irritant		Central nervous system
acetone	Irritant		Central nervous system
Petroleum gases, liquefied	Irritant		Cardiac Central nervous system Lung Skin
Solvent naphtha, petroleum, light aliph.	Irritant		

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Cyclohexane	No	No	No
acetone	No	No	No
Petroleum gases, liquefied	No	No	No
Solvent naphtha, petroleum, light aliph.	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

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

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any packaging.

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

Proper shipping name: Aerosols
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
DOT Hazardous Substance(s): Cyclohexane, Benzene

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 (Cyclohexane)
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
Marine pollutant: Cyclohexane

15. REGULATORY INFORMATION

United States Regulatory Information

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

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

CERCLA/SARA Section 302 EHS: None above reporting de minimis.
CERCLA/SARA Section 311/312: Please refer to the GHS classification in Section 2
CERCLA/SARA Section 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). Cyclohexane (CAS# 110-82-7).
CERCLA Reportable quantity: Cyclohexane (CAS# 110-82-7) 1,000 lbs. (454 kg)
Solvent naphtha, petroleum, light aliph. (CAS# 64742-89-8) 100 lbs. (45.4 kg)
acetone (CAS# 67-64-1) 5,000 lbs. (2,270 kg)
Benzene (CAS# 71-43-2) 10 lbs. (4.54 kg)

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

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 2,3,8,11,15

Prepared by: Product Safety and Regulatory Affairs

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