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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Maximum Strength Headliner Adhesive
Product type: Adhesive
Company address:
 Henkel Corporation
 1001 Trout Brook Crossing
 Rocky Hill, Connecticut 06067

Item No. : 37312 / IDH No. 476035
Region: United States
Contact Information:
 Telephone: 860.571.5100
 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>
Liquefied petroleum gas 68476-85-7	10-30	1000 ppm TWA	1000 ppm TWA 1800 mg/m ³ TWA	None
Cyclohexane 110-82-7	10-30	100 ppm TWA	1050 mg/m ³ TWA 300 ppm TWA	None
Acetone 67-64-1	10-30	500 ppm TWA 750 ppm STEL	1000 ppm TWA 2400 mg/m ³ TWA	None
Light aliphatic solvent naphtha 64742-89-8	5-10	None	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid Aerosol
Color: White
Odor: Solvent

HMIS:

HEALTH: 2*
FLAMMABILITY: 4
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

DANGER: EXTREMELY FLAMMABLE.
 CONTENTS UNDER PRESSURE.
 MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
 MAY BE HARMFUL OR FATAL IF SWALLOWED OR INHALED

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

Potential Health Effects

Inhalation: Inhalation of mist or spray may cause irritation of the respiratory tract and nasal passages. May cause symptoms of intoxication. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. Inhalation of mist or spray may be harmful.
Skin contact: Contact may dry the skin; prolonged contact may cause moderate irritation.
Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation.
Ingestion: Not expected under normal conditions of use. May be harmful or fatal if swallowed.

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

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.
Skin contact:	Remove contaminated clothing and shoes. Immediately flush skin with plenty of water (using soap, if available). Wash clothing before reuse. If symptoms persist, obtain medical attention.
Eye contact:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion:	Do not induce vomiting. Get medical attention immediately.
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 applicable to aerosols.
Flashback:	This product exhibits no flashback when tested for flame extension.
Flame Projection:	Greater than 91.44 cms (36 inches)
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 fire fighting 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.

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. Dispose of in accordance with local and national regulations.

7. HANDLING AND STORAGE

Handling:	Use only with adequate ventilation. Avoid contact with skin and eyes. Do not puncture or incinerate containers. Keep container closed.
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.
Incompatible products:	Acids. Oxidizing agents.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.
Respiratory protection:	Use a NIOSH approved air-purifying respirator with an organic vapor cartridge.
Skin protection:	Chemical resistant, impermeable gloves. Silver Shield gloves. Nitrile gloves.
Eye/face protection:	Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid Aerosol
Color:	White
Odor:	Solvent
Vapor pressure:	83 to 87 psig
pH:	Not applicable
Boiling point/range:	Greater than 38°C (100°F)
Melting point/range:	Not available
Specific gravity:	0.65-0.90
Vapor density:	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 polymerization:	Will not occur.
Hazardous decomposition products:	None
Incompatibility:	Strong acids and oxidizing agents.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Liquefied petroleum gas 68476-85-7	No	No	No
Cyclohexane 110-82-7	No	No	No
Acetone 67-64-1	No	No	No
Light aliphatic solvent naphtha 64742-89-8	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Liquefied petroleum gas 68476-85-7	Central nervous system, Lung, Irritant, Cardiac, Skin
Cyclohexane 110-82-7	Central nervous system, Irritant
Acetone 67-64-1	Blood, Central nervous system, Irritant, Reproductive
Light aliphatic solvent naphtha 64742-89-8	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.
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13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Incinerate liquid obtained by spray-emptying cans following EPA and local regulations.

EPA hazardous waste number: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. D001: Ignitable.

14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

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

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
Exceptions: (Not more than 1 L) Consumer Commodity ORM-D

International Air Transportation (ICAO/IATA):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN1950
Packing group: None
Exceptions: (Not more than 500 ml) May Qualify as Consumer Commodity ID8000

Water Transportation (IMO/IMDG):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN1950
Packing group: None
Marine pollutant: 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 5 (a) (2) SNUR: None.
TSCA 12 (b) Export Notification: None.

CERCLA/SARA Section 302 EHS: None above reporting de minimus.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard, Fire, 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). Cyclohexane (CAS# 110-82-7).

California Proposition 65: This product contains a chemical known to the State of California to cause cancer and 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 Domestic Substances List.
WHMIS hazard class: A, B.5, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: This material safety data sheet contains changes from the previous version in section(s): 3,8,15

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