



Revision Number: 002.1

Issue date: 06/09/2011

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product name:</b>	<b>Maximum Strength Headliner Adhesive</b>	<b>IDH number:</b>	476035
<b>Product type:</b>	Adhesive	<b>Item number:</b>	37312
<b>Company address:</b>	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	<b>Region:</b>	United States
		<b>Contact information:</b>	Telephone: 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 Internet: www.henkelna.com

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

<b>Physical state:</b>	Aerosol, Liquid	<b>HEALTH:</b>	*1
<b>Color:</b>	white	<b>FLAMMABILITY:</b>	4
<b>Odor:</b>	Solvent	<b>PHYSICAL HAZARD:</b>	0
		<b>Personal Protection:</b>	See MSDS Section 8

**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.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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

<b>Inhalation:</b>	Move to fresh air. Get immediate medical attention. If not breathing, give artificial respiration.
<b>Skin contact:</b>	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.
<b>Eye contact:</b>	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Get immediate medical attention.
<b>Notes to physician:</b>	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

<b>Flash point:</b>	Not applicable to aerosols.
<b>Flashback:</b>	This product exhibits no flashback when tested for flame extension.
<b>Flame projection:</b>	> 91.44 cm (> 36inch)
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits - lower:</b>	1.8 %
<b>Flammable/Explosive limits - upper:</b>	9.5 %
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	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.
<b>Unusual fire or explosion hazards:</b>	Exposure to temperatures above 49°C (120°F) may cause container to burst. Contents under pressure.
<b>Hazardous combustion products:</b>	Hydrocarbons. Oxides of carbon.

### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	None known
<b>Clean-up methods:</b>	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.

**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 Customer Service at (800) 243-4874.

## 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	500 ppm TWA 750 ppm STEL	1,000 ppm (2,400 mg/m <sup>3</sup> ) TWA	None	None
Petroleum gases, liquefied	1,000 ppm TWA	1,000 ppm (1,800 mg/m <sup>3</sup> ) TWA	None	None
Cyclohexane	100 ppm TWA	300 ppm (1,050 mg/m <sup>3</sup> ) TWA	None	None
Solvent naphtha, petroleum, light aliph.	None	None	None	None
Benzene	0.5 ppm TWA 2.5 ppm STEL (SKIN)	1 ppm TWA 5 ppm STEL 0.5 ppm OSHA ACT 10 ppm TWA 25 ppm Ceiling 50 ppm MAX. CONC 10 minutes 29 CFR 1910.1028	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

<b>Physical state:</b>	Aerosol, Liquid
<b>Color:</b>	white
<b>Odor:</b>	Solvent
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not applicable
<b>Vapor pressure:</b>	Not available
<b>Boiling point/range:</b>	> 100 °F (> 37.8 °C) None
<b>Melting point/ range:</b>	Not available
<b>Specific gravity:</b>	0.65 - 0.90
<b>Vapor density:</b>	Not available
<b>Flash point:</b>	Not applicable to aerosols.
<b>Flashback:</b>	This product exhibits no flashback when tested for flame extension.
<b>Flame projection:</b>	> 91.44 cm (> 36inch)
<b>Flammable/Explosive limits - lower:</b>	1.8 %
<b>Flammable/Explosive limits - upper:</b>	9.5 %
<b>Autoignition temperature:</b>	Not available
<b>Evaporation rate:</b>	Greater than butyl acetate., (Butyl acetate = 1)
<b>Solubility in water:</b>	Insoluble
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	64 %

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	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	Known carcinogen.	Group 1	Yes

Hazardous components	Health Effects/Target Organs
Acetone	Blood, Central nervous system, Irritant, Reproductive
Petroleum gases, liquefied	Cardiac, Central nervous system, Irritant, Lung, Skin
Cyclohexane	Irritant, Central nervous system
Solvent naphtha, petroleum, light aliph.	Irritant
Benzene	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.

**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

### 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  
**Exceptions:** ORM-D, (Not more than 1 L), Consumer Commodity

### 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), May Qualify as Consumer Commodity, ID8000

**Water Transportation (IMO/MDG)**

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

**15. REGULATORY INFORMATION**

**United States Regulatory Information**

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
<b>TSCA 12(b) Export Notification:</b>	None above reporting de minimus
<b>CERCLA/SARA Section 302 EHS:</b>	None above reporting de minimus
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health, Fire, Sudden Release
<b>CERCLA/SARA 313:</b>	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).
<b>California Proposition 65:</b>	This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**Canada Regulatory Information**

<b>CEPA DSL/NDSL Status:</b>	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
<b>WHMIS hazard class:</b>	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: Not available

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

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