

(10208)

Material Safety Data Sheet

NOTE: Used in conjunction with MSDS # 11228.



Revision Number: 004.0

Issue date: 03/13/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: 4 MINUTE GEL EPOXY HARDENER
Product use: Epoxy Hardener
Company address: Henkel Corporation, 2515 Meadowpine Boulevard, Mississauga, Ontario L5N 6C3
IDH number: 720362
Item number: 97434_00238000
Region: Canada
Contact information: Telephone: 905.814.6511, MEDICAL EMERGENCY Phone: Poison Control Center, TRANSPORT EMERGENCY Phone: CHEMTREC, Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Physical state: Liquid
Color: Amber
Odor: Mercaptan
WHMIS hazard class: D,2,B, E
DANGER: CAUSES EYE BURNS. HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN IRRITATION. CAUSES RESPIRATORY TRACT IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF SWALLOWED.

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

Potential Health Effects

Inhalation: Can cause severe irritation and burns to the respiratory tract. May cause central nervous system effects with nausea, dizziness and headache.
Skin contact: Severe skin irritation. May cause allergic skin reaction. May be harmful if absorbed through skin. May cause central nervous system effects.
Eye contact: Causes eye burns. Burns of the eye may cause blindness. Corneal edema may give appearance of "blue haze" or "fog" around lights.
Ingestion: If ingested, severe burns of the mouth and throat may occur, as well as perforation of the esophagus and the stomach. May be harmful if swallowed.

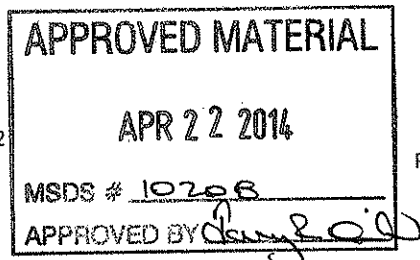
Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders. Skin allergies. Central and/or peripheral nervous system disorders.

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Table with 3 columns: Hazardous components, CAS NUMBER, %

IDH number: 720362



4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	DO NOT induce vomiting unless directed to do so by medical personnel. Rinse the mouth. Drink 1-2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	121 °C (249.8 °F) Tagliabue closed cup
Autoignition temperature:	Not available.
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Extinguishing media:	Water spray (fog), 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:	In case of fire, keep containers cool with water spray. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Personnel in vicinity and downwind should be evacuated. Burning produces obnoxious and toxic fumes. Do not allow run-off from fire fighting to enter drains or water courses. Use of water may result in the formation of very toxic aqueous solutions.
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen. Ammonia. Nitric acid. Hydrogen sulfide. Oxides of sulfur. Formaldehyde. Toxic fumes. Irritating vapors.
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. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal.

7. HANDLING AND STORAGE

Handling:	Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. Use only with adequate ventilation. Keep container closed.
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Storage:

Store in original container until ready to use. Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Keep away from heat, spark and flame. Protect from direct sunlight.

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
Polymercaptan hardener	None	None	None	None
2,4,6-Tris(dimethylaminomethyl)phenol	None	None	None	None
Treated fumed silica	10 mg/m ³ TWA Inhalable dust. 3 mg/m ³ TWA Respirable fraction.	15 mg/m ³ TWA Total dust. 5 mg/m ³ TWA Respirable fraction.	None	None

Engineering controls:

Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established 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:	Liquid
Color:	Amber
Odor:	Mercaptan
Odor threshold:	Not available.
pH:	Not available.
Vapor pressure:	Not available.
Boiling point/range:	198 °C (388.4 °F)
Melting point/ range:	Not available.
Specific gravity:	1.1822
Vapor density:	Heavier than air.
Flash point:	121 °C (249.8 °F) Tagliabue closed cup
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Autoignition temperature:	Not available.
Evaporation rate:	Slower than butyl acetate.
Solubility in water:	Slight
Partition coefficient (n-octanol/water):	Not available.
VOC content:	0.3 %; 3 g/l

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. Oxides of nitrogen. Ammonia. Nitric acid. Hydrogen sulfide. Oxides of sulfur. Formaldehyde. Toxic fumes. Irritating vapors.
Incompatible materials:	Acids. Oxidizing agents. Sodium hypochlorite. Peroxides. This product slowly corrodes copper, aluminum, zinc and galvanized surfaces.
Conditions to avoid:	Keep away from heat, ignition sources and incompatible materials. Protect from direct sunlight.

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)
Polymercaptan hardener	No	No	No
2,4,6-Tris(dimethylaminomethyl)phenol	No	No	No
Treated fumed silica	No	No	No

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
Polymercaptan hardener	None	No Records
2,4,6-Tris(dimethylaminomethyl)phenol	None	Irritant, Allergen
Treated fumed silica	None	Irritant

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.

14. TRANSPORT INFORMATION

Canada Transportation of Dangerous Goods - Ground

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL 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: 5,7,8,10

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: Rena Petrides, Regulatory Affairs Specialist

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