

Revision Date: 04/16/2008

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: HARDENER HD3561 QUART
Product Use: Epoxy hardener
Company address:
 Henkel Corporation
 211 Franklin Street
 Olean, New York 14760

Item No. : HD3561-B30 / IDH No. 397720
Region: Canada
Contact Information:
 Telephone: 716.372.6300
 Emergency Telephone: 860.571.5100
 Internet: www.electronics.henkel.us

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Diethylene glycol Di-(3-aminopropyl)ether 4246-51-9	60-100	None	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Liquid	WHMIS hazard class:	E
Color:	Colorless		
Odor:	Ammoniacal		

DANGER: CAUSES EYE, SKIN AND RESPIRATORY TRACT BURNS.

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

Potential Health Effects

Inhalation:	Respiratory tract burns. Severe respiratory tract irritation.
Skin contact:	This material is corrosive to eyes and skin. Brief contact may cause chemical burns. Contact can cause pain, burns, necrosis, permanent injury, blindness.
Eye contact:	Ingestion causes burns of the upper digestive and respiratory tracts. Danger of perforation of the esophagus and the stomach.
Ingestion:	

Existing conditions aggravated by exposure: Skin allergies. Dermatitis. Eczema. Other pre-existing skin conditions. Asthma. Other respiratory disorders (bronchitis, emphysema, bronchial hyperreactivity). Pre-existing eye diseases.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Check for and remove any contact lenses. Get 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 medical attention immediately.

5. FIRE-FIGHTING MEASURES

Flash point: 121.11°C (250°F) Closed cup

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Autoignition temperature:	260°C (500°F)
Flammable/Explosive limits-lower %:	Not available
Flammable/Explosive limits-upper %:	Not available
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special fire fighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Toxic fumes. Ammonia. Oxides of carbon, oxides of nitrogen, irritating organic vapors.
Sensitivity to mechanical impact:	Not available.
Sensitivity to static discharge:	Not available.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering drains or open waters.
Clean-up methods:	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). Keep in suitable and closed containers for disposal.

7. HANDLING AND STORAGE

Handling:	Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. For operations where eye or face contact could occur, provide safety shower and eyewash fountain. Avoid all ignition sources in storing and handling this material. Keep cool in accordance with label instructions. Wear protective equipment when handling.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Incompatible products:	Refer to Section 10.

For information on product shelf life contact Henkel Customer Service at 1-716-372-6300.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Use local exhaust ventilation if the potential for airborne exposure exists.
Respiratory protection:	Use a NIOSH approved respirator if ventilation is inadequate.
Skin protection:	Neoprene, Butyl-rubber, or nitrile-rubber gloves. Cover as much of the exposed skin area as possible with appropriate clothing.
Eye/face protection:	Chemical splash goggles or safety glasses with side shields. In a splash hazard environment, chemical goggles should be used in combination with a full face shield.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Colorless
Odor:	Ammoniacal
Odor Threshold:	Not available
Vapor pressure:	3.00 mmHg at 21 °C (70 °F)
pH:	Alkaline
Boiling point/range:	294.8°C (563°F) estimated
Melting point/range:	Not available
Specific gravity:	1.01 at 21°C (70°F)
Vapor density:	27.8481
Evaporation rate:	Not available

Solubility in water: Soluble.
 Partition coefficient (n-octanol/water): Not available
 VOC content: Not available

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions

Hazardous polymerization: None under normal processing.

Hazardous decomposition products: None reasonably foreseeable

Incompatibility: Acids. Oxidizing agents. This product slowly corrodes copper, aluminum, zinc and galvanized surfaces.

Conditions to avoid: Storage with incompatible materials. Keep away from open flames, hot surfaces and sources of ignition.

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Acute LD50 (oral) :Greater than 4290 mg/kg(rat). (estimated). Acute LD50 (dermal) :Greater than 2500 mg/kg (rabbit). (estimated).

Toxicologically synergistic products: Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Ingredient Toxicity Data & Carcinogen Status

Hazardous components	LD50s & LC50s	Other LD50s and LC50s	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen	ACGIH - Carcinogens
Diethylene glycol Di-(3-aminopropyl)ether 4246-51-9	Dermal LD50 (Rabbit) = 2500 µL/kg Oral LD50 (Rat) = 4290 µL/kg Oral LD50 (Rat) = 4290 mg/kg	None	No	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Diethylene glycol Di-(3-aminopropyl)ether 4246-51-9	Corrosive

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance with federal and local regulations.

14. TRANSPORT INFORMATION

Canada Transportation of Dangerous Goods - Ground:

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Diethylene glycol Di-(3-aminopropyl)ether)
Hazard class or division: 8
Identification number: UN 2735
Packing group: II

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Exceptions:

May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG regulations.

International Air Transportation (ICAO/IATA):

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Diethylene glycol Di-(3-aminopropyl)ether)
Hazard class or division: 8
Identification number: UN 2735
Packing group: II

WaterTransportation (IMO/IMDG):

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Diethylene glycol Di-(3-aminopropyl)ether)
Hazard class or division: 8
Identification number: UN 2735
Packing group: II

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the 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: 7

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Product Regulations.

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