



Revision Date: 03/06/2006

Issue date: 03/08/2006

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Hysol E-30CL Epoxy ADH Ultra
Product type: Epoxy Resin
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 29329_209538 / IDH No. 701995
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>
Epoxy resin	60-100	None	None	None
Proprietary				

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
Color: Clear Yellow
Odor: Faint, Epoxy

HMIS:

HEALTH: 2*
FLAMMABILITY: 1
PHYSICAL HAZARD: 1
Personal Protection: See Section 8

WARNING: MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

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

Potential Health Effects

Inhalation: This material does not normally present an inhalation hazard, however, in applications where vapors (caused by high temperatures) or mists (caused by mixing) are created, breathing may cause respiratory tract irritation.

Skin contact: May cause skin irritation with discomfort or rash. May cause allergic skin reaction.

Eye contact: Non-irritating.

Ingestion: Not a relevant route of exposure. Do not taste or swallow.

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

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If discomfort persists seek medical attention.
Skin contact:	Remove contaminated clothing and shoes. After contact with skin, wash immediately with plenty of water. Wash clothing before reuse. Get medical attention if symptoms develop and persist.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist.
Ingestion:	Do not induce vomiting. Never give anything by mouth to an unconscious person. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point:	Greater than 93°C (200°F) (estimated)
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 fire fighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	In the event of fire, cool tanks with water spray. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
Hazardous combustion products:	Oxides of carbon. Aldehydes. Acids. Irritating organic fragments.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering drains or open waters.
Clean-up methods:	Soak up with inert absorbent. Store in a closed container until ready for disposal. Flush with water. Prevent product from entering drains.

7. HANDLING AND STORAGE

Handling:	Keep container closed. Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after 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:	Oxidizing agents. Strong acids or bases. Amines. Avoid contact with water.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	General ventilation is acceptable if the exposure to materials in section 2 is maintained below applicable exposure limits. Refer to OSHA standards 1910.94, 1910.107, 1910.108
Respiratory protection:	No personal respiratory protective equipment normally required.
Skin protection:	Chemical resistant, impermeable gloves. Published literature, test data and glove and clothing manufacturers indicate protection is provided with Butyl, or EVAL-Laminate materials.
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
Color:	Clear Yellow
Odor:	Faint, Epoxy
Vapor pressure:	Not determined
pH:	Not applicable
Boiling point/range:	Greater than 148°C (300°F)
Melting point/range:	Not available
Specific gravity:	Not available
Vapor density:	Not available
Evaporation rate:	Not available
Solubility in water:	Negligible.
Partition coefficient (n-octanol/water):	Not available
VOC content:	<1%; <10 grams/liter (estimated)

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerization:	Reaction with some curing agents may produce an exothermic reaction which in large masses could cause runaway polymerization.
Hazardous decomposition products:	None reasonably foreseeable
Incompatibility:	Oxidizing agents. Strong acids and strong bases. Amines.
Conditions to avoid:	Excessive heat. Storage with incompatible materials. Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Failure to observe these precautions may result in excessive heat build-up causing an exotherm.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Epoxy resin Proprietary	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Epoxy resin Proprietary	Allergen, Irritant

12. ECOLOGICAL INFORMATION

Ecological information:	Not known
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13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal:	Dispose of according to Federal, State and local governmental regulations.
EPA hazardous waste number:	Not a RCRA hazardous waste.

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:	Not regulated
Hazard class or division:	None
Item No. :	29329_209538 / IDH No. 701995

Product name: Hysol E-30CL Epoxy ADH Ultra

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/MDG):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
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.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313: None.

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: D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New information added in section(s): 2

Prepared by: Regulatory Affairs

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Hysol E-30CL Epoxy ADH Ultra
Product type: Epoxy Hardener
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 29329_209539 / IDH No. 701996
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>
Polyglycol diamine Proprietary	30-60	None	None	None
Substituted polyamine Proprietary	30-60	None	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
Color: Light
Odor: Slight

HMIS:

HEALTH: 3
FLAMMABILITY: 1
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

DANGER: CAUSES EYE AND SKIN BURNS.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED.

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

Potential Health Effects

Inhalation: May cause respiratory tract irritation. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness.
Skin contact: May cause skin burns. May cause severe irritation due to defatting of skin.
Eye contact: Possible burns to eyes. Exposure to vapor may cause tearing of the eyes, irritation and burning sensation.
Ingestion: May cause gastrointestinal tract irritation if swallowed.

Existing conditions aggravated by exposure: None known

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If discomfort persists seek medical attention.
Skin contact:	Remove contaminated clothing and shoes. Immediately flush skin with plenty of water (using soap, if available). Wash clothing before reuse. Get medical attention.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	Do not induce vomiting. Keep individual calm. Give a conscious person several glasses of water. Never give anything by mouth to an unconscious person. Obtain medical attention.
Notes to physician:	None.

5. FIRE-FIGHTING MEASURES

Flash point:	Greater than 93°C (200°F) (estimated)
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	Not available
Flammable/Explosive limits-upper %:	Not available
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special fire fighting procedures:	None
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen. Ammonia. Irritating organic vapors.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering drains or open waters.
Clean-up methods:	Remove all ignition sources. Ensure adequate ventilation. Wear butyl rubber protective clothing. Scrape up as much material as possible. Clean residue with soap and water. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes. Do not breathe mist or vapors. Do not taste or swallow.
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:	Keep away from strong oxidizing agents, strong Lewis or mineral acids.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	General ventilation is acceptable if the exposure to materials in section 2 is maintained below applicable exposure limits. Refer to OSHA standards 1910.94, 1910.107, 1910.108
Respiratory protection:	Not normally required.
Skin protection:	Butyl rubber 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
Color:	Light
Odor:	Slight
Vapor pressure:	Not available
pH:	Not applicable
Boiling point/range:	Greater than 146°C (294°F)
Melting point/range:	Not available
Specific gravity:	Not available
Vapor density:	Not available
Evaporation rate:	Not available
Solubility in water:	Partial
Partition coefficient (n-octanol/water):	Not available
VOC content:	<1%; <10 grams/liter (estimated)

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	None
Incompatibility:	Strong oxidizing agents. Strong mineral acids.
Conditions to avoid:	Storage with incompatible materials.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Polyglycol diamine Proprietary	No	No	No
Substituted polyamine Proprietary	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Polyglycol diamine Proprietary	Corrosive
Substituted polyamine Proprietary	No data

12. ECOLOGICAL INFORMATION

Ecological information:	Not known
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13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal:	Dispose of according to Federal, State and local governmental regulations.
EPA hazardous waste number:	Waste must be tested to determine the applicable EPA hazardous waste numbers.

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: AMINES, LIQUID, CORROSIVE, N.O.S. (polyglycol diamine)
Hazard class or division: 8
Identification number: UN 2735
Packing group: III
Exceptions: Consumer Commodity ORM-D (Not more than 5L)
Marine pollutant: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Amines, Liquid, Corrosive, n.o.s. (Polyglycol diamine)
Hazard class or division: 8
Identification number: UN2735
Packing group: III

Water Transportation (IMO/IMDG):

Proper shipping name: Amines, liquid, corrosive, n.o.s. (Polyglycol diamine)
Hazard class or division: 8
Identification number: UN2735
Packing group: III
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.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313: None.

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

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: D.2.B, E

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): 14

Prepared by: Regulatory Affairs

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