



Revision Date: 01/23/2008

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Hysol U-05FL Urethane Adhesive Off-White
Product type: Polyurethane hardener
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 29349_HARDENER
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

EXPORTATION OF THIS PRODUCT IS CONTROLLED BY THE UNITED STATES GOVERNMENT DEPARTMENT OF COMMERCE. SEE SECTION 15 FOR DETAILS.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	%	ACGIH TLV	OSHA PEL	OTHER
Hydroxy terminated butadiene homopolymer 69102-90-5	60-100	None	None	None
Treated fumed silica 67762-90-7	5-10	10mg/m ³ Inhalable fraction, 3mg/m ³ Respirable fraction, TWA	5mg/m ³ Respirable dust, 15mg/m ³ Total dust	None

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW****HMIS:**

Physical state: Liquid
Color: Translucent White
Odor: Slight

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

WARNING: MAY CAUSE EYE AND SKIN IRRITATION.

Relevant routes of exposure: Eye contact, Skin contact

Potential Health Effects

Inhalation: Not a relevant route of exposure. Not a hazard under normal conditions of use.
Skin contact: May cause skin irritation.
Eye contact: Not expected to cause injury. Eye contact may cause mild irritation.
Ingestion: Not a relevant route of exposure. Do not taste or swallow.

Existing conditions aggravated by exposure: None known

See Section 11 for additional toxicological information.

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4. FIRST AID MEASURES

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

5. FIRE-FIGHTING MEASURES

Flash point:	Greater than 93°C (200°F) ASTM D3278
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	Not available
Flammable/Explosive limits-upper %:	Not available
Extinguishing media:	Use dry chemical, CO2, water spray or `alcohol` foam.
Special fire fighting procedures:	None
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Irritating organic vapors. Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering drains or open waters.
Clean-up methods:	Scrape up as much material as possible. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage:	Store at or below 38°C (100°F).
Incompatible products:	Oxidizing agents.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	General room ventilation is usually adequate.
Respiratory protection:	Not normally required.
Skin protection:	Chemical resistant, impermeable gloves. Disposable rubber or plastic 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:	Translucent White
Odor:	Slight
Vapor pressure:	Not available
pH:	Not applicable
Boiling point/range:	Not available
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:	Will not occur.
Hazardous decomposition products:	Aldehydes. Ketones. Organic acids.
Incompatability:	Oxidizing agents. Phosphorous. Acids.
Conditions to avoid:	Storage with incompatible materials.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Hydroxy terminated butadiene homopolymer 69102-90-5	No	No	No
Treated fumed silica 67762-90-7	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Hydroxy terminated butadiene homopolymer 69102-90-5	No data
Treated fumed silica 67762-90-7	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.
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EPA hazardous waste number:	Not a RCRA hazardous waste.
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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
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

WaterTransportation (IMO/IMDG):

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None
Exceptions:	None
Marine pollutant:	Diacetoxydibutyl stannane

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
CERCLA/SARA 313:	None.

California Proposition 65:	This product contains a chemical known to the State of California to cause cancer. Butadiene (CAS# 106-99-0). Cyclohexene, 4-ethenyl- (CAS# 100-40-3).
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Export Restrictions:	This product (which contains hydroxy terminated polybutadiene resin) and technical data related to this product is export controlled by the U.S. Government Department of Commerce. Exportation / international shipment of this product is subject to licensing by the U.S. government. Export, reexport or other diversion, either in the original product form or after being incorporated in an intermediate process into other end items is STRICTLY PROHIBITED unless expressly authorized by the cognizant agency of the U.S. Government. If you plan to export this product in any form please contact Product Safety and Regulatory Affairs for additional information.
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Canada Regulatory Information

CEPA DSL/NDL 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 Material Safety Data Sheet format. This material safety data sheet contains changes from the previous version in section(s): 15

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