

MATERIAL SAFETY DATA SHEET

U-09FL HYSOL URETH HRD 5GA PA
29371

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: U-09FL HYSOL URETH HRD 5GA PA
Item No.: 29371
Product Type: Epoxy Resin

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Epoxy resin	Proprietary	40-60
SILICA, QUARTZ	14808-60-7	20-40
Modified cycloaliphatic amine	Proprietary	5-10
Glycidyl ester	Proprietary	1-5
TITANIUM DIOXIDE	13463-67-7	1-3
Calcium carbonate	471-34-1	1-3

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
SILICA, QUARTZ	0.05mg/m3 TWA respirable dust	0.1mg/m3 TWA respirable dust	None
TITANIUM DIOXIDE	10 mg/m3	15 mg/m3 Total dust	None
Calcium carbonate	10 mg/m3 dust	15 mg/m3 dust 5 mg/m3 respir.	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	

3. HAZARDS IDENTIFICATION

Toxicity: Skin and eye irritant. May cause allergic skin reaction.
Primary Routes of Entry: Inhalation, ingestion, eye, skin.
Signs and Symptoms of Exposure: Prolonged or repeated contact may cause allergic skin reaction. Direct contact can cause moderate skin and eye irritation.
Existing Conditions Aggravated by Exposure: Preexisting skin disorders; allergies.

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3. HAZARDS IDENTIFICATION (continued)

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Epoxy resin	ALG IRR	NO	NO	NO
SILICA, QUARTZ	AC2 IMM LUN SOM	YES	2A	NO
Modified cycloaliphatic amine	No Data	NO	NO	NO
Glycidyl ester	No Data	NO	NO	NO
TITANIUM DIOXIDE	IRR RES	NO	NO	NO
Calcium carbonate	NUI	NO	NO	NO

Abbreviations

2A Probably carcinogenic to humans AC2 ACGIH suspected human carcinogen
ALG Allergen IMM Immune system
IRR Irritant LUN Lung
NUI Nuisance dust RES Respiratory
SOM Some evidence of carcinogenicity

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm.
Obtain medical attention.
Inhalation: Remove to fresh air. If symptoms persist, obtain
medical attention.
Skin Contact: Remove contaminated clothing, wash immediately
with soap and water. Wash contaminated clothing
thoroughly before reuse. If irritation persists,
obtain medical attention.
Eye Contact: Flush thoroughly with water. If irritation
persists, obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: More than 200°F Method: Setaflash
Recommended
Extinguishing Agents: Water fog, carbon dioxide, foam, or dry chemical.
Special Firefighting
Procedures: Not available
Hazardous Products formed
by Fire or Thermal Decomp Oxides of carbon, aldehydes, acids, and other
organic substances.
Unusual Fire or
Explosion Hazards: May decompose above 300°F; may polymerize above
500°F, in which case closed containers may
rupture or explode. Fumes and vapor from
thermal and chemical decompositions vary in

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5. FIRE FIGHTING MEASURES

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composition and toxicity. Do not breath fumes.

Explosive Limits:

(% by volume in air)Lower Not available
(% by volume in air)Upper Not available

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case
of spill or leak:

Avoid skin contact. Scrape up as much as possible.
Clean residues with solvent or soap and water.

7. HANDLING AND STORAGE

Safe Storage:

Store in a cool, dry place. Keep away from
sources of ignition above 300 F°.

(Contact Loctite Customer
Handling:

Service 1-800-243-4874 for shelf life information)
Avoid skin or eye contact.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes:

Chemical splash goggles or safety glasses with
side shields.

Skin:

Chemical impermeable gloves.

Ventilation:

Normal mechanical ventilation is usually adequate.

Respiratory

Use a NIOSH approved respirator as required to
prevent overexposure.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Greyish/Tan paste

Odor:

Mild

Boiling Point:

More than 300°F

pH:

Does not apply

Solubility in Water:

Negligible

Specific Gravity

1.403

Volatile Organic Compound

(EPA Method 24)

20.76 grams per liter; 1.48%

Vapor Pressure:

Not determined

Vapor Density:

Not available

Evaporation Rate

(Ether = 1)

Not available

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10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Reaction with some curing agents may produce exothermic reactions which in large masses could cause runaway polymerization.
Incompatibility: Strong oxidizing agents, strong acids, and strong bases; primary and secondary aliphatic amines.
Conditions to Avoid: Keep away from sources of heat above 300°F.
Hazardous Decomposition
Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste Number: Not a RCRA reactive hazardous waste when disposing of unused product in original container (Up to 5 gallon pails). For other waste issues please contact Loctite Health & Regulatory Affairs.

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Unrestricted (Up to 5 gallon pails)
Hazard Class or Division: Unrestricted
Identification Number: None
Marine Pollutant: None
IATA
Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

15. REGULATORY INFORMATION

CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive

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15. REGULATORY INFORMATION

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harm.

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: 2
Fire Hazard: 1
Reactivity Hazard: 1
Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: 2
Flammability Hazard: 1
Reactivity Hazards: 1
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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