

HENKEL CONSUMER ADHESIVES

AVON, OH 44011  
 TELEPHONE: (440) 937-7000

MATERIAL SAFETY DATA SHEET

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Loctite(R) Metal to Glass Mirror Adhesive  
 01-30814 ADHESIVE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) Metal to Glass Mirror Adhesive  
 Permanent Mount  
 Item No.: 01-30814 ADHESIVE  
 Part of Kit: 01-30814  
 Product Type: Anaerobic

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Polyurethane methacrylate resin	Proprietary	45-50
Hydroxyalkyl methacrylate	27813-02-1	30-35
Polymeric plasticizer	68332-62-7	10-15
ACRYLIC ACID*	79-10-7	3-5
CUMENE HYDROPEROXIDE*	80-15-9	1-3
Substituted silane	2530-85-0	1-3
1-Acetyl-2-phenylhydrazine	114-83-0	0.1-1
SACCHARIN	81-07-2	0.1-1

\* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Hydroxyalkyl methacrylate	None	None	1 ppm TWA 3 ppm STEL
ACRYLIC ACID	2 ppm TWA skin 5.9 mg/m3 skin	10 ppm TWA skin 30 mg/m3 skin	1 ppm TWA skin 3 ppm STEL skin
CUMENE HYDROPEROXIDE	None	None	1ppm(6mg/m3) Skin(WEEL)
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	

3. HAZARDS IDENTIFICATION

Toxicity: Severe eye irritant. Moderate skin irritant.  
 Possible inhalation irritant. May be harmful if  
 swallowed. May cause kidney or liver damage.

Primary Routes of Entry: Eye, skin, inhalation, ingestion.

Signs and Symptoms  
 of Exposure: May cause severe dermatitis on prolonged contact

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3. HAZARDS IDENTIFICATION

(continued)

in sensitive individuals.

Existing Conditions

Aggravated by Exposure: Acrylic acid: Upper respiratory and lung diseases,  
 dermatitis

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Polyurethane methacrylate resin	No Data	NO	NO	NO
Hydroxyalkyl methacrylate	ALG IRR	NO	NO	NO
Polymeric plasticizer	No Data	NO	NO	NO
ACRYLIC ACID	ALG COR IRR KID LIV	NO	N/A	NO
CUMENE HYDROPEROXIDE	ALG CNS COR IRR MUT	NO	NO	NO
Substituted silane	ALG IRR	NO	NO	NO
1-Acetyl-2-phenylhydrazine	ALG BLO KID MUT SOM	NO	NO	NO
SACCHARIN	NTO	NO	2B	NO

Abbreviations

N/A Not Applicable	2B Possibly carcinogenic to humans
ALG Allergen	BLO Blood
CNS Central nervous system	COR Corrosive
IRR Irritant	KID Kidney
LIV Liver	MUT Mutagen
NTO No Target Organs	SOM Evidence of some 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: Wash with soap and water.  
 Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: More than 200øF Method: Tag Closed Cup  
 Recommended  
 Extinguishing Agents: Carbon dioxide, foam, dry chemical  
 Special Firefighting  
 Procedures: Not available

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## 5. FIRE FIGHTING MEASURES

(continued)

Hazardous Products formed  
by Fire or Thermal Decomp Irritating organic vapors  
Unusual Fire or  
Explosion Hazards: None

Explosive Limits:  
(% by volume in air) Lower 2.0% Acrylic acid  
(% by volume in air) Upper 8.0% Acrylic acid

## 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case  
of spill or leak: Soak up in an inert absorbent. Store in a partly  
filled, closed container until disposal.

## 7. HANDLING AND STORAGE

Safe Storage: Store below 100°F  
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)  
Handling: Avoid prolonged skin contact. Keep away from eyes.  
Avoid breathing vapors.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.  
Skin: Rubber or plastic gloves.  
Ventilation: Sufficient to maintain vapor concentration below  
TLV.  
Respiratory: Not available

See Section 2 for Exposure Limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellowish liquid  
Odor: Sharp  
Boiling Point: More than 300°F  
pH: Does not apply  
Solubility in Water: Slight  
Specific Gravity: 1.1 at 80°F  
Volatile Organic Compound  
(EPA Method 24) 38.6%; 425 grams per liter  
Vapor Pressure: Less than 5 mm at 80°F  
Vapor Density: Not available  
Evaporation Rate  
(Ether = 1) Not available

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10. STABILITY AND REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: None  
Conditions to Avoid: Not available  
Hazardous Decomposition  
Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

Estimated oral LD50 more than 5000 mg/kg.  
Estimated dermal LD50 more than 2000 mg/kg.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.  
EPA Hazardous Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)  
Domestic Ground Transport  
Proper Shipping Name: Unrestricted  
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 harm.  
Ethylene oxide, toluene diisocyanate, toluene

This product contains Saccharin. No Prop65 hazard

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15. REGULATORY INFORMATION

(continued)

warning is necessary if this product is used as  
reasonably anticipated.

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.

Prepared by:  
Company: Safety, Health and Regulatory Affairs - North America,  
Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067  
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Primer for Metal to Glass Mounting Adhesive  
01-30814 PRIMER

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Primer for Metal to Glass Mounting Adhesive  
Item No.: 01-30814 PRIMER  
Part of Kit: 01-30814  
Product Type: Primer

## 2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
n-HEXANE*	110-54-3	95-100
Organo-copper compound	22221-10-9	0.1-1

\* This component is listed as a SARA Section 313 Toxic Chemical.

## Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
n-HEXANE	50 ppmTWA(skin)	500 ppm TWA 1800 mg/M3	None
Organo-copper compound	Cu 0.2mg/m3fume Cu 1 mg/m3 dust	Cu 0.1mg/m3 Cu 1 mg/m3 dust	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	

## 3. HAZARDS IDENTIFICATION

Toxicity: Eye, skin, inhalation, and gastrointestinal irritant. Moderately toxic by ingestion.

Primary Routes of Entry: Inhalation, skin contact.

Signs and Symptoms of Exposure: Coughing, chest pains, difficulty breathing, lung irritation, edema (which can be fatal), gastrointestinal disturbances, nausea, headache, vomiting, narcosis, coma, and asphyxia.

Existing Conditions Aggravated by Exposure: Central and peripheral nervous systems, vision defects, memory diminution.

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Product Name: Primer for Metal to Glass Mounting Adhesive  
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3. HAZARDS IDENTIFICATION (continued)

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
n-HEXANE	DEV IRR LUN NER REP	NO	NO	NO
Organo-copper compound	NTO	NO	NO	NO

Abbreviations

DEV Developmental	IRR Irritant
LUN Lung	NER Nervous System
NTO No Target Organs	REP Reproductive

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: Remove to fresh air, apply artificial respiration if necessary, obtain medical attention.

Skin Contact: Wash with mild soap and water.

Eye Contact: Flush eyes with water for at least 15 minutes. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: 70F Method: Tag Closed Cup

Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical

Special Firefighting Procedures: Not available

Hazardous Products formed by Fire or Thermal Decomp: Oxides of carbon.

Unusual Fire or Explosion Hazards: Vapors may travel considerable to source of ignition and flash back.

Explosive Limits:  
 (% by volume in air) Lower 1.2%  
 (% by volume in air) Upper 7.7%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Maintain adequate ventilation. Extinguish all sources of ignition. Absorb in an inert absorbent. Store in a metal container until disposal.

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Product Name: Primer for Metal to Glass Mounting Adhesive  
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## 7. HANDLING AND STORAGE

Safe Storage: Store away from sources of ignition. Keep containers closed when not in use. Avoid exposure to direct sunlight.

(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)

Handling: Avoid skin contact. Keep away from eyes. Avoid inhalation of vapors. Do not use near sources of ignition.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.  
Skin: Rubber or plastic gloves.  
Ventilation: Sufficient to maintain vapor concentration below TLV. Ventilation should be explosion proof.  
Respiratory: Not available

See Section 2 for Exposure Limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue liquid  
Odor: Aliphatic  
Boiling Point: 156°F  
pH: Does not apply  
Solubility in Water: Slight  
Specific Gravity: 0.7  
Volatile Organic Compound (EPA Method 24): Not available  
Vapor Pressure: 132 mm Hg at 68°F  
Vapor Density: 3.0  
Evaporation Rate (Ether = 1): 9.2

## 10. STABILITY AND REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: Strong oxidizing agents.  
Conditions to Avoid: Not available  
Hazardous Decomposition Products (non-thermal): None

## 11. TOXICOLOGICAL INFORMATION

See Section 3.

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## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.  
EPA Hazardous Waste Number: D001 - Hazardous waste per 40CFR 261.21

## 14. TRANSPORTATION INFORMATION

## DOT (49 CFR 172)

## Domestic Ground Transport

Proper Shipping Name: Consumer Commodity (Not more than one liter);  
Hexanes solution (More than one liter)

Hazard Class or Division:

ORM-D (Not more than one liter);  
Class 3, Packing Group II (More than one liter)

Identification Number: None (Not more than one liter);  
UN 1208 (More than one liter)

Marine Pollutant: None

## IATA

Proper Shipping Name: Consumer Commodity (Not more than 500 ml);  
Hexanes solution (More than 500 ml)

Class or Division: Class 9 (Not more than 500 ml);  
Class 3, Packing Group II (More than 500 ml)

UN or ID Number: ID 8000 (Not more than 500 ml);  
UN 1208 (More than 500 ml)

## 15. REGULATORY INFORMATION

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

## 16. OTHER INFORMATION

## Estimated NFPA(R) Code:

Health Hazard: 1  
Fire Hazard: 3  
Reactivity Hazard: 0  
Specific Hazard: Does not apply

## Estimated HMIS(R) Code:

Health Hazard: 1  
Flammability Hazard: 3  
Reactivity Hazards: 0  
Personal Protection: See Section 8.

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16. OTHER INFORMATION

(continued)

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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