

MATERIAL SAFETY DATA SHEET

Loctite Rearview Mirror Repair Adhesive

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite Rearview Mirror Repair Adhesive
IDH: 1252797
Product Type: Anaerobic

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Polyurethane methacrylate resin	Proprietary	10-30
Hydroxyalkyl methacrylate	27813-02-1	10-30
Polyurethane methacrylate resin	Proprietary	10-30
ACRYLIC ACID*	79-10-7	1-5
Polyglycol dimethacrylate	109-16-0	1-5
Methacrylic Acid	79-41-4	1-5
CUMENE HYDROPEROXIDE*	80-15-9	0.1-1
Substituted silane	2530-85-0	1-5
1-Acetyl-2-phenylhydrazine	114-83-0	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	10 ppm TWA skin 30 mg/m3	1 ppm TWA skin 3 ppm STEL
CUMENE HYDROPEROXIDE	None	None	1ppm(6mg/m3) Skin(WEEL)
Methacrylic Acid	20 ppm TWA	None	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	

3. HAZARDS IDENTIFICATION

Toxicity: Causes eye and skin irritation. May cause allergic skin reaction. May cause respiratory tract irritation. May be harmful if swallowed.

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Product Name: Loctite Rearview Mirror Repair Adhesive
Permanent Mount
IDH: 1252797

3. HAZARDS IDENTIFICATION

(continued)

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

Signs and Symptoms

of Exposure:

May cause severe dermatitis on prolonged contact
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	ALG IRR	NO	NO	NO
Hydroxyalkyl methacrylate	ALG IRR	NO	NO	NO
Polymeric methacrylate resin	ALG IRR			
ACRYLIC ACID	ALG COR IRR KID LIV	NO	NO	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
Polyglycol dimethacrylate	ALG IRR	NO	NO	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.

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Product Name: Loctite Rearview Mirror Repair Adhesive
Permanent Mount
IDH: 1252797

5. FIRE FIGHTING MEASURES

Flash Point: More than 212°F 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 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

Hazardous Combustion Products: Oxides of carbon. Oxides of nitrogen.
Irritating organic vapors.

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
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: Amber liquid
Odor: not available
pH: Does not apply

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Product Name: Loctite Rearview Mirror Repair Adhesive
Permanent Mount
IDH: 1252797
Solubility in Water: Immiscible
Specific Gravity 1.05
Volatile Organic Compound
(EPA Method 24) <4%; <42 grams per liter
Vapor Pressure: Less than 3mm at 68øF
Vapor Density: Not available
Evaporation Rate
(Ether = 1) Not available

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: None
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): Oxides of carbon. Oxides of nitrogen. Irritating
organic vapors.

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

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Product Name: Loctite Rearview Mirror Repair Adhesive
Permanent Mount
IDH: 125797

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.

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: Regulatory Affairs
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Primer for Loctite Rearview Mirror Repair Adhesive
PRIMER

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Primer for Loctite Rearview Mirror Repair Adhesive
IDH: 1252797 PRIMER (Kit)
Product Type: Primer

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
n-HEXANE*	110-54-3	60-100
2-Ethylhexanoic acid	149-57-5	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	500 ppmTWA(skin) 1000 STEL	500 ppm TWA 1800 mg/M3	None
2-Ethylhexanoic acid	5 mg/m3 TWA inhalable fraction vapor and aerosol	None	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	

3. HAZARDS IDENTIFICATION

DANGER: Extremely flammable liquid and vapor. May cause allergic skin reaction. May cause eye, skin and respiratory tract irritation. May be harmful if swallowed.

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 Loctite Rearview Mirror Repair Adhesive
IDH: 1252797 PRIMER (Kit)

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
2-Ethylhexanoic acid	DEV EYE IRR LIV REP	NO	NO	NO

Abbreviations

DEV Developmental	IRR Irritant
LUN Lung	NER Nervous System
NTO No Target Organs	REP Reproductive
EYE Eyes	LIV Liver

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: 70°F 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. Oxides of nitrogen. Irritating organic vapors.

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 Loctite Rearview Mirror Repair Adhesive
IDH: 1252797 PRIMER (Kit)

7. HANDLING AND STORAGE

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

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: green liquid
Odor: Aliphatic
Boiling Point: 156°F
pH: Does not apply
Solubility in Water: Immiscible
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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Product Name: Primer for Loctite Rearview Mirror Repair Adhesive
IDH: 1252797 PRIMER (Kit)

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 (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 (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: This product contains a chemical know to the state of California to cause cancer and birth defects or other reproductive harm.

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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Product Name: Primer for Loctite Rearview Mirror Repair Adhesive
IDH: 1252797 PRIMER (Kit)

16. OTHER INFORMATION

(continued)

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