

Material Safety Data Sheet



Revision Number: 002.1

Issue date: 10/28/2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE® 3060™ ADHESIVE PART NO. 1087986
Product type: Anaerobic
Company address: Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

IDH number: 1087986
Item number: 1087986
Region: United States
Contact information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
Color: Light yellow
Odor: Mild

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

WARNING: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED.
MAY CAUSE ALLERGIC SKIN REACTION.

Relevant routes of exposure: Skin, Lungs, Eyes

Potential Health Effects

Inhalation: May cause irritation to nose and throat. May be toxic if inhaled.
Skin contact: May cause allergic skin reaction. Causes skin irritation.
Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation.
Ingestion: May be harmful if swallowed. May cause gastrointestinal tract irritation if swallowed.

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

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous components | CAS NUMBER | % |
|---------------------------------|-------------|---------|
| Polyurethane Methacrylate Resin | Proprietary | 10 - 30 |
| Acrylate monomer | Proprietary | 10 - 30 |
| 2-Hydroxyethyl methacrylate | 868-77-9 | 10 - 30 |
| Polyurethane methacrylate resin | Proprietary | 10 - 30 |
| Substituted Maleimide | Proprietary | 10 - 30 |
| Polyurethane methacrylate resin | Proprietary | 5 - 10 |
| Polyglycol dimethacrylate | Proprietary | 5 - 10 |
| Hydroxyalkyl methacrylate | Proprietary | 1 - 5 |
| High boiling methacrylate | Proprietary | 1 - 5 |
| Treated fumed silica | 67762-90-7 | 1 - 5 |
| Ethylene glycol | 107-21-1 | 0.1 - 1 |

IDH number: 1087986

Product name: LOCTITE® 3060™ ADHESIVE PART NO. 1087986
Page 1 of 5

4. FIRST AID MEASURES

| | |
|----------------------|--|
| Inhalation: | If symptoms develop and persist, get medical attention. Move to fresh air. |
| Skin contact: | If symptoms develop and persist, get medical attention. Wash with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. |
| Eye contact: | Get medical attention. Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. |
| Ingestion: | Get medical attention. Do not induce vomiting. Keep individual calm. |

5. FIRE FIGHTING MEASURES

| | |
|--|--|
| Flash point: | > 93.00 °C (> 199.4 °F) |
| 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 firefighting procedures: | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| Unusual fire or explosion hazards: | None |
| Hazardous combustion products: | Oxides of nitrogen. Oxides of carbon. Irritating organic vapours. |

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

| | |
|-----------------------------------|--|
| Environmental precautions: | Do not allow product to enter sewer or waterways. |
| Clean-up methods: | Ensure adequate ventilation. Store in a partly filled, closed container until disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). |

7. HANDLING AND STORAGE

| | |
|------------------|---|
| Handling: | Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. |
| Storage: | For safe storage, store at or below 38 °C (100.4 °F) Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. |

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

| Hazardous components | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER |
|---------------------------------|--|--|-----------|-------------------------|
| Polyurethane Methacrylate Resin | None | None | None | None |
| Acrylate monomer | None | None | None | None |
| 2-Hydroxyethyl methacrylate | None | None | None | 3 ppm Ceiling |
| Polyurethane methacrylate resin | None | None | None | None |
| Substituted Maleimide | None | None | None | None |
| Polyurethane methacrylate resin | None | None | None | None |
| Polyglycol dimethacrylate | None | None | None | None |
| Hydroxyalkyl methacrylate | None | None | None | 1 ppm TWA 3 ppm STEL |
| High boiling methacrylate | None | None | None | None |
| Treated fumed silica | 10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction. | 15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction. | None | None |
| Ethylene glycol | 100 mg/m3 Ceiling Aerosol. | None | None | None |

Engineering controls:

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Respiratory protection:

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| Physical state: | Liquid |
| Color: | Light yellow |
| Odor: | Mild |
| Odor threshold: | Not available |
| pH: | Not applicable |
| Vapor pressure: | Not available |
| Boiling point/range: | > 149 °C (> 300.2 °F) |
| Melting point/ range: | Not available |
| Specific gravity: | 1.1 |
| Vapor density: | Not available |
| Flash point: | > 93.00 °C (> 199.4 °F) |
| Flammable/Explosive limits - lower: | Not available |
| Flammable/Explosive limits - upper: | Not available |
| Autoignition temperature: | Not available |
| Evaporation rate: | Not available |
| Solubility in water: | Slight |
| Partition coefficient (n-octanol/water): | Not available |
| VOC content: | 1.69 % (value for resin and hardener together) |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Stability: | Stable |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Oxides of carbon. Oxides of nitrogen. Irritating organic vapours. |
| Incompatible materials: | Reducing agents. Acids. Bases. Amines. Free radical initiators. Peroxides. Strong oxidizing agents. |
| Conditions to avoid: | See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10). Heat, flames, sparks and other sources of ignition. Exposure to sunlight. |

11. TOXICOLOGICAL INFORMATION

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---------------------------------|----------------|-----------------|---|
| Polyurethane Methacrylate Resin | No | No | No |
| Acrylate monomer | No | No | No |
| 2-Hydroxyethyl methacrylate | No | No | No |
| Polyurethane methacrylate resin | No | No | No |
| Substituted Maleimide | No | No | No |
| Polyurethane methacrylate resin | No | No | No |
| Polyglycol dimethacrylate | No | No | No |
| Hydroxyalkyl methacrylate | No | No | No |
| High boiling methacrylate | No | No | No |
| Treated fumed silica | No | No | No |
| Ethylene glycol | No | No | No |

| Hazardous components | Health Effects/Target Organs |
|---------------------------------|---|
| Polyurethane Methacrylate Resin | Irritant, Allergen |
| Acrylate monomer | Irritant, Allergen |
| 2-Hydroxyethyl methacrylate | Irritant, Allergen |
| Polyurethane methacrylate resin | Irritant, Allergen |
| Substituted Maleimide | No Target Organs |
| Polyurethane methacrylate resin | Irritant, Allergen |
| Polyglycol dimethacrylate | Irritant, Allergen |
| Hydroxyalkyl methacrylate | Irritant, Allergen |
| High boiling methacrylate | Irritant, Allergen |
| Treated fumed silica | Irritant |
| Ethylene glycol | Blood, Bone Marrow, Central nervous system, Developmental, Eyes, Irritant, Kidney, Liver, Metabolic |

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

The shipping classifications in this sections 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

Water Transportation (IMO/IMDG)

| | |
|---------------------------|---------------|
| Proper shipping name: | Not regulated |
| Hazard class or division: | None |
| Identification number: | None |
| Packing group: | 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 12(b) Export Notification: | None above reporting de minimus |
| CERCLA/SARA Section 302 EHS: | None above reporting de minimus |
| CERCLA/SARA Section 311/312: | Delayed Health, Immediate Health |
| CERCLA/SARA 313: | None above reporting de minimus |
| California Proposition 65: | This product contains a chemical known in the State of California to cause cancer. |

Canada Regulatory Information

| | |
|-----------------------------|---|
| CEPA DSL/NDL Status: | One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List. |
| WHMIS hazard class: | D.2.A, 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.

Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.