



Revision Number: 005.0

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1. PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|-------------------------------|---|---------------------|---------------|
| Product name: | LOCTITE AA 363 LIGHT CURE ADHESIVE known as 363 Light Cure Adhesive Impruv | IDH number: | 135416 |
| Product type: | Sealant | Item number: | 36390 |
| Restriction of Use: | None identified | Region: | United States |
| Company address: | Contact information: | | |
| Henkel Corporation | Telephone: (860) 571-5100 | | |
| One Henkel Way | MEDICAL EMERGENCY Phone: Poison Control Center | | |
| Rocky Hill, Connecticut 06067 | 1-877-671-4608 (toll free) or 1-303-592-1711 | | |
| | TRANSPORT EMERGENCY Phone: CHEMTREC | | |
| | 1-800-424-9300 (toll free) or 1-703-527-3887 | | |
| | Internet: www.henkelna.com | | |

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: DO NOT SPRAY. DO NOT HEAT.
 CAUSES SKIN IRRITATION.
 MAY CAUSE AN ALLERGIC SKIN REACTION.
 CAUSES SERIOUS EYE DAMAGE.
 TOXIC IF INHALED.

| HAZARD CLASS | HAZARD CATEGORY |
|---------------------------|-----------------|
| ACUTE TOXICITY INHALATION | 3 |
| SKIN IRRITATION | 2 |
| SERIOUS EYE DAMAGE | 1 |
| SKIN SENSITIZATION | 1 |

PICTOGRAM(S)



Precautionary Statements

Prevention: Avoid breathing vapors, mist, or spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves.

Response: IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Immediately call a poison control center or physician. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous Component(s) | CAS Number | Percentage* |
|---------------------------------|-------------|-------------|
| Acrylate | Proprietary | 30 - 60 |
| Polyurethane Methacrylate Resin | Unknown | 30 - 60 |
| Acrylic acid | 79-10-7 | 5 - 10 |
| 2-Hydroxyethyl methacrylate | 868-77-9 | 1 - 5 |
| Ester Adducts | Proprietary | 1 - 5 |
| Substituted silane | Proprietary | 1 - 5 |

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

| | |
|----------------------|---|
| Inhalation: | Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention. |
| Skin contact: | Wash with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention. |
| Eye contact: | Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention. |
| Ingestion: | Do not induce vomiting. Keep individual calm. Get medical attention. |
| Symptoms: | See Section 11. |

5. FIRE FIGHTING MEASURES

| | |
|---|--|
| Extinguishing media: | Foam, dry chemical or carbon dioxide. Do not use high volume water jet. |
| Special firefighting procedures: | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| Unusual fire or explosion hazards: | Uncontrolled polymerization may cause rapid evolution of heat and increase in pressure that could result in violent rupture of sealed storage vessels or containers. |
| Hazardous combustion products: | Oxides of carbon. Oxides of silicon. Formaldehyde. Ammonia. Amines. 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: | Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Ensure adequate ventilation. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal. |

7. HANDLING AND STORAGE

- Handling:** Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. DO NOT heat or spray. For operations where eye or face contact could occur, provide safety shower and eyewash fountain. Refer to Section 8.
- Storage:** For safe storage, store at or below 38 °C (100.4 °F) Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Store away from heat, sparks, flames, or other sources of ignition. Protect from direct sunlight.

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 Component(s) | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER |
|---------------------------------|------------------|----------|-----------|--------------------------------|
| Acrylate | None | None | None | None |
| Polyurethane Methacrylate Resin | None | None | None | None |
| Acrylic acid | 2 ppm TWA (SKIN) | None | None | 1 ppm TWA 3 ppm STEL (SKIN) |
| 2-Hydroxyethyl methacrylate | None | None | None | 3 ppm Ceiling |
| Ester Adducts | None | None | None | None |
| Substituted silane | None | 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). Observe OSHA regulations for respirator use (29 CFR 1910.134).
- Eye/face protection:** Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.
- Skin protection:** Use impermeable gloves and protective clothing as necessary to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state:** Liquid
- Color:** Yellow
- Odor:** Sharp, Irritating
- Odor threshold:** Not available.
- pH:** Not applicable
- Vapor pressure:** < 5 mm hg (27 °C (80.6 °F))
- Boiling point/range:** > 149 °C (> 300.2 °F)
- Melting point/ range:** Not available.
- Specific gravity:** 1.1 at 26.6 °C (79.88 °F)
- Vapor density:** Not available.
- Flash point:** > 93.3 °C (> 199.94 °F) Tagliabue closed cup
- Flammable/Explosive limits - lower:** 2 % (Acrylic Acid)
- Flammable/Explosive limits - upper:** 8 % (Acrylic Acid)
- Autoignition temperature:** Not available.
- Evaporation rate:** Not available.
- Solubility in water:** Slight
- Partition coefficient (n-octanol/water):** Not available.
- VOC content:** 2.92 %; 32.12 g/l (total)
2.14 %; 23.54 g/l ASTM D5403 Process volatiles

Viscosity: 0.78 %; 8.58 g/l (potential)
Decomposition temperature: Not available.
 Not available.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.
Hazardous reactions: None under normal processing. Polymerization may occur at elevated temperature or in the presence of incompatible materials.
Hazardous decomposition products: Oxides of carbon. Oxides of silicon. Formaldehyde. Amines. Ammonia. Irritating organic vapours.
Incompatible materials: Strong oxidizing agents. Reducing agents. Oxygen scavengers. Acids. Bases. Alkalis. Aldehydes. Amines. Free radical initiators. Peroxides. Aluminum.
Reactivity: Not available.
Conditions to avoid: Heat, flames, sparks and other sources of ignition. Exposure to sunlight. Freezing conditions. UV light. Loss of polymerization inhibitor. Inert gas blanketing. Avoid moisture.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects/Symptoms

Inhalation: Modified acrylamide is harmful if inhaled. Causes respiratory tract irritation. Vapors and mists will irritate nose and throat and possibly eyes. Headache. Nausea. DO NOT heat or spray as this increases the inhalation hazard.
Skin contact: Modified acrylamide may be absorbed through skin in harmful amounts. Toxic. May cause allergic skin reaction. Causes skin irritation.
Eye contact: Causes serious eye damage.
Ingestion: Modified acrylamide is harmful if swallowed. Toxic.

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|---------------------------------|---|--|
| Acrylate | None | Irritant, Allergen |
| Polyurethane Methacrylate Resin | None | No Data |
| Acrylic acid | Oral LD50 (RAT) = 33.5 mg/kg Oral LD50 (RAT) = 2.5 g/kg Oral LD50 (RAT) = 193 mg/kg Oral LD50 (RAT) = 1,250 mg/kg Inhalation LC50 (RAT, 4 h) = 1,200 mg/l | Allergen, Corrosive, Irritant, Kidney, Liver |
| 2-Hydroxyethyl methacrylate | Oral LD50 (RAT) = 11.2 g/kg Oral LD50 (RAT) = 5,050 mg/kg | Irritant, Allergen |
| Ester Adducts | None | No Data |
| Substituted silane | None | Allergen, Irritant |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---------------------------------|----------------|-----------------|--|
| Acrylate | No | No | No |
| Polyurethane Methacrylate Resin | No | No | No |
| Acrylic acid | No | No | No |
| 2-Hydroxyethyl methacrylate | No | No | No |
| Ester Adducts | No | No | No |
| Substituted silane | No | No | No |

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 transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

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: Environmentally hazardous substance, liquid, n.o.s. (Dicyclopentenylxyethyl methacrylate)
Hazard class or division: 9
Identification number: UN 3082
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dicyclopentenylxyethyl methacrylate)
Hazard class or division: 9
Identification number: UN 3082
Packing group: III
Marine pollutant: Dicyclopentenylxyethyl methacrylate

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 minimis

CERCLA/SARA Section 302 EHS: None above reporting de minimis
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health

CERCLA/SARA Section 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Acrylic acid (CAS# 79-10-7).

California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

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