



Revision Number: 005.0

Issue date: 09/11/2014

## 1. PRODUCT AND COMPANY IDENTIFICATION

|                               |                                                                                      |                     |               |
|-------------------------------|--------------------------------------------------------------------------------------|---------------------|---------------|
| <b>Product name:</b>          | <b>LOCTITE AA 3943 LIGHT CURING ADHESIVE known as 3943 Light Cure Medical Device</b> | <b>IDH number:</b>  | 434084        |
| <b>Product type:</b>          | Adhesive                                                                             | <b>Item number:</b> | 36478         |
| <b>Restriction of Use:</b>    | None identified                                                                      | <b>Region:</b>      | United States |
| <b>Company address:</b>       | <b>Contact information:</b>                                                          |                     |               |
| 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:** COMBUSTIBLE LIQUID.  
CAUSES SKIN IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE DAMAGE.

| HAZARD CLASS       | HAZARD CATEGORY |
|--------------------|-----------------|
| FLAMMABLE LIQUID   | 4               |
| SKIN IRRITATION    | 2               |
| SERIOUS EYE DAMAGE | 1               |
| SKIN SENSITIZATION | 1               |

### PICTOGRAM(S)



### Precautionary Statements

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prevention:</b> | Keep away from heat, sparks, open flames, hot surfaces - no smoking. Avoid breathing vapors, mist, or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection.                                                                                                                               |
| <b>Response:</b>   | IF ON SKIN: Wash with plenty of soap and water. 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. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish. |
| <b>Storage:</b>    | Store in a well-ventilated place. Keep cool.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Disposal:</b>   | 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.**

IDH number: 434084

Product name: LOCTITE AA 3943 LIGHT CURING ADHESIVE known as 3943 Light Cure Medical Device

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous Component(s)          | CAS Number  | Percentage* |
|---------------------------------|-------------|-------------|
| Polyurethane Methacrylate Resin | Unknown     | 30 - 60     |
| Acrylate monomer                | Proprietary | 10 - 30     |
| 2-Hydroxyethyl methacrylate     | 868-77-9    | 10 - 30     |
| High boiling methacrylate       | Proprietary | 5 - 10      |
| Acrylic acid                    | 79-10-7     | 1 - 5       |
| Hydroxyalkyl methacrylate       | 27813-02-1  | 1 - 5       |
| Substituted silane              | Proprietary | 1 - 5       |
| Adhesion Promoter               | Proprietary | 0.1 - 1     |

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

### 4. FIRST AID MEASURES

|                      |                                                                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>   | Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention.         |
| <b>Skin contact:</b> | Wash with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention.                  |
| <b>Eye contact:</b>  | Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.                        |
| <b>Ingestion:</b>    | DO NOT induce vomiting unless directed to do so by medical personnel. Keep individual calm. Never give anything by mouth to an unconscious person. Get medical attention. |
| <b>Symptoms:</b>     | See Section 11.                                                                                                                                                           |

### 5. FIRE FIGHTING MEASURES

|                                           |                                                                                              |
|-------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Extinguishing media:</b>               | Foam, dry chemical or carbon dioxide.                                                        |
| <b>Special firefighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| <b>Unusual fire or explosion hazards:</b> | None expected.                                                                               |
| <b>Hazardous combustion products:</b>     | 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.

|                                   |                                                                                                                                                                                                                                                                                |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental precautions:</b> | Do not allow product to enter sewer or waterways.                                                                                                                                                                                                                              |
| <b>Clean-up methods:</b>          | 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. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. |

## 7. HANDLING AND STORAGE

**Handling:** Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. Use only with adequate ventilation.

**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 Component(s)          | 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                     |
| High boiling methacrylate       | None                | None     | None      | None                              |
| Acrylic acid                    | 2 ppm TWA<br>(SKIN) | None     | None      | 1 ppm TWA<br>3 ppm STEL<br>(SKIN) |
| Hydroxyalkyl methacrylate       | None                | None     | None      | 1 ppm TWA<br>3 ppm STEL           |
| Substituted silane              | None                | None     | None      | None                              |
| Adhesion Promoter               | 20 ppm TWA          | 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. Full face protection should be used if the potential for splashing or spraying of product exists.

**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:** Transparent, Hazy  
**Odor:** Sharp  
**Odor threshold:** Not available.  
**pH:** Not applicable  
**Vapor pressure:** < 10 mm hg (75 °F (23.9 °C))  
**Boiling point/range:** > 300 °F (> 148.9 °C)  
**Melting point/ range:** Not available.  
**Specific gravity:** 1.1271  
**Vapor density:** Not available.  
**Flash point:** 80 °C (176°F) Pensky Martens closed cup  
**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:** 0.67 %; 7.55 g/l (process)  
0.13 %; 1.47 g/l (potential)  
0.80 %; 9.02 g/l (total)

Viscosity: (ASTM D5403)  
Not available.  
Decomposition temperature: Not available.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Hazardous reactions:** Will not occur.

**Hazardous decomposition products:** Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Irritating organic vapours.

**Incompatible materials:** Strong oxidizing agents. Reducing agents. Peroxides.

**Reactivity:** Not available.

**Conditions to avoid:** Keep away from heat, spark and flame. Store away from incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

**Inhalation:** May cause respiratory tract irritation. May cause irritation to nose and throat.  
**Skin contact:** Causes skin irritation. May cause allergic skin reaction.  
**Eye contact:** Causes serious eye damage.  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed.

| Hazardous Component(s)          | LD50s and LC50s                                                                                                                                                                 | Immediate and Delayed Health Effects         |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Polyurethane Methacrylate Resin | None                                                                                                                                                                            | Irritant, Allergen                           |
| Acrylate monomer                | None                                                                                                                                                                            | Irritant, Allergen                           |
| 2-Hydroxyethyl methacrylate     | Oral LD50 (RAT) = 11.2 g/kg<br>Oral LD50 (RAT) = 5,050 mg/kg                                                                                                                    | Irritant, Allergen                           |
| High boiling methacrylate       | None                                                                                                                                                                            | Irritant, Allergen                           |
| Acrylic acid                    | Oral LD50 (RAT) = 33.5 mg/kg<br>Oral LD50 (RAT) = 2.5 g/kg<br>Oral LD50 (RAT) = 193 mg/kg<br>Oral LD50 (RAT) = 1,250 mg/kg<br>Inhalation LC50 (RAT, 4 h) = 1,200 mg/l           | Allergen, Corrosive, Irritant, Kidney, Liver |
| Hydroxyalkyl methacrylate       | None                                                                                                                                                                            | Irritant, Allergen                           |
| Substituted silane              | None                                                                                                                                                                            | Allergen, Irritant                           |
| Adhesion Promoter               | Oral LD50 (RABBIT) = 1,200 mg/kg<br>Oral LD50 (RAT) = 1,060 mg/kg<br>Oral LD50 (RAT) = 2,224 mg/kg<br>Dermal LD50 (RABBIT) = 500 mg/kg<br>Inhalation LC50 (RAT, 4 h) = 7.1 mg/l | Corrosive, Irritant, Allergen                |

| Hazardous Component(s)          | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen<br>(Specifically Regulated) |
|---------------------------------|----------------|-----------------|---------------------------------------------|
| Polyurethane Methacrylate Resin | No             | No              | No                                          |
| Acrylate monomer                | No             | No              | No                                          |
| 2-Hydroxyethyl methacrylate     | No             | No              | No                                          |
| High boiling methacrylate       | No             | No              | No                                          |
| Acrylic acid                    | No             | No              | No                                          |
| Hydroxyalkyl methacrylate       | No             | No              | No                                          |
| Substituted silane              | No             | No              | No                                          |
| Adhesion Promoter               | No             | No              | No                                          |

## 12. ECOLOGICAL INFORMATION

Ecological information: Not available.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

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: Combustible liquid, n.o.s. (Acrylic acid)  
Hazard class or division: Combustible Liquid  
Identification number: NA 1993  
Packing group: III

### International Air Transportation (ICAO/IATA)

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Isobornyl acrylate)  
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. (Isobornyl acrylate)  
Hazard class or division: 9  
Identification number: UN 3082  
Packing group: III  
Marine pollutant: Isobornyl acrylate

## 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, Fire

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).

CERCLA Reportable quantity: Acrylic acid (CAS# 79-10-7) 5,000 lbs. (2,270 kg)

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: 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.

## 16. OTHER INFORMATION

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

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