1. PRODUCT AND COMPANY IDENTIFICATION

| Product name: | LOCTITE HY 4080 400G KIT PART B | IDH number: | 2217626 |
| Product type: | Acrylic Adhesive | Item number: | 2217611_2095965 |
| Restriction of Use: | None identified | Region: | United States |
| Company address: | Henkel Corporation | Contact information: | Telephone: +1 (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**

**WARNING:**

- CAUSES SKIN IRRITATION.
- MAY CAUSE AN ALLERGIC SKIN REACTION.
- CAUSES SERIOUS EYE IRRITATION.

**HAZARD CLASS**

<table>
<thead>
<tr>
<th>HAZARD CATEGORY</th>
<th>HAZARD CLASS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>SKIN IRRITATION</td>
</tr>
<tr>
<td>2A</td>
<td>EYE IRRITATION</td>
</tr>
<tr>
<td>1</td>
<td>SKIN SENSITIZATION</td>
</tr>
</tbody>
</table>

**PICTOGRAM(S)**

**Precautionary Statements**

**Prevention:**

Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection.

**Response:**

IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

**Storage:**

Not prescribed

**Disposal:**

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


See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>CAS Number</th>
<th>Percentage*</th>
</tr>
</thead>
</table>

IDH number: 2217626

Product name: LOCTITE HY 4080 400G KIT PART B
4. FIRST AID MEASURES

**Inhalation:**
Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.

**Skin contact:**
Rinse with running water and soap. Obtain medical attention if irritation persists.

**Eye contact:**
Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

**Ingestion:**
Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor. Never give anything by mouth to an unconscious person.

**Symptoms:**
See Section 11.

5. FIRE FIGHTING MEASURES

**Extinguishing media:**
water, carbon dioxide, foam, powder

**Special firefighting procedures:**
Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**Unusual fire or explosion hazards:**
In the event of a fire, carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx) can be released. In case of fire, keep containers cool with water spray.

**Hazardous combustion products:**
Not available.

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 empty into drains / surface water / ground water.

**Clean-up methods:**
For small spills wipe up with paper towel and place in container for disposal. For large spills absorb onto inert absorbent material and place in sealed container for 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. Avoid contact with fabric or paper goods. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors, and cause thermal burns.

Storage: Not available.

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.

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>AIHA WEEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyurethane methacrylate</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Hydroxyalkyl methacrylate</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>1 ppm TWA</td>
</tr>
<tr>
<td>2-Hydroxyethyl acrylate, polymer with α-</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>3 ppm STEL</td>
</tr>
<tr>
<td>Epichlorohydrin, phthalic anhydride, 4,4'-</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Bisphenol A and ε-Caprolactone</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Treated fumed silica</td>
<td>10 mg/m³ TWA Inhalable dust.</td>
<td>15 mg/m³ TWA Total dust.</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Isobornyl methacrylate</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Polypropylene methacrylate</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>2-Hydroxyethyl acrylate</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid, gel
Color: White
Odor: Acrylic
Odor threshold: Not available.
pH: Not available.
Vapor pressure: < 700 mbar
Boiling point/range: > 40 °C (> 104°F)
Melting point/ range: Not available.
Specific gravity: 1.08
Vapor density: Not available.
Flash point: > 100 °C (> 212°F)
Flammable/Explosive limits - lower: Not available.
Flammable/Explosive limits - upper: Not available.
Autoignition temperature: Not available.
Flammability: Not applicable
Evaporation rate: Not available.
Solubility in water: Not soluble
Partition coefficient (n-octanol/water): Not available.
VOC content: < 2 %; < 20 g/l (California SCAQMD Method 316B) (Estimated)
Viscosity: 250,000 - 450,000 mPa.s
10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.

Hazardous reactions: Not available.

Hazardous decomposition products: carbon oxides. Hydrocarbons nitrogen oxides Rapid polymerisation may generate excessive heat and pressure.


Reactivity: Not available.

Conditions to avoid: No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

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

Potential Health Effects/Symptoms

Inhalation: Not expected under normal conditions of use. May cause respiratory tract irritation.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

Eye contact: Causes serious eye irritation.

Ingestion: Not expected under normal conditions of use. May cause gastrointestinal tract irritation if swallowed.

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>LD50s and LC50s</th>
<th>Immediate and Delayed Health Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyurethane methacrylate</td>
<td>None</td>
<td>No Records</td>
</tr>
<tr>
<td>Hydroxyalkyl methacrylate</td>
<td>None</td>
<td>Irritant, Allergen</td>
</tr>
<tr>
<td>2-Hydroxyethyl acrylate, polymer with α-Epichlorohydrin, phthalic anhydride, 4,4’-Bisphenol A and ε-Caprolactone</td>
<td>None</td>
<td>No Data</td>
</tr>
<tr>
<td>Treated fumed silica</td>
<td>None</td>
<td>Irritant</td>
</tr>
<tr>
<td>Isobornyl methacrylate</td>
<td>None</td>
<td>Irritant, Allergen</td>
</tr>
<tr>
<td>Polypropylene methacrylate</td>
<td>None</td>
<td>Irritant, Allergen</td>
</tr>
<tr>
<td>2-Hydroxyethyl acrylate</td>
<td>Dermal LD50 (Rabbit) = 1,010 mg/kg</td>
<td>Allergen, Central nervous system, Heart, Irritant, Kidney, Liver, Lung, Some evidence of carcinogenicity, Spleen</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA Carcinogen (Specifically Regulated)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyurethane methacrylate</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Hydroxyalkyl methacrylate</td>
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<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Polypropylene methacrylate</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>2-Hydroxyethyl acrylate</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

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: 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 minimis
- CERCLA/SARA Section 302 EHS: None above reporting de minimis.
- CERCLA/SARA Section 311/312: Immediate Health, Delayed Health
- CERCLA/SARA Section 313: None above reporting de minimis.
- California Proposition 65: This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

- CEPA DSL/NDSL 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.

Prepared by: Catherine Bimler, Regulatory Affairs Specialist

Issue date: 05/25/2017
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