1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOC 2OZ ADH METAL TBE 6P PTB  
IDH number: 1442494
Product type: Epoxy Hardener  
Item number: 1360700_314330
Restriction of Use: None identified  
Region: United States
Company address: Henkel Corporation  
One Henkel Way  
Rocky Hill, Connecticut 06067

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: CAUSES SKIN IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE IRRITATION.  
MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.

HAZARD CLASS | HAZARD CATEGORY
--- | ---
SKIN IRRITATION | 2
EYE IRRITATION | 2A
RESPIRATORY SENSITIZATION | 1
SKIN SENSITIZATION | 1

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. In case of inadequate ventilation wear respiratory protection.

Response: IF ON SKIN: Wash with plenty of water. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. If experiencing respiratory symptoms: Call a poison center or physician. 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>
<tbody>
<tr>
<td>Calcium carbonate</td>
<td>471-34-1</td>
<td>30 - 60</td>
</tr>
<tr>
<td>Polymericcaptan hardener</td>
<td>Proprietary</td>
<td>30 - 60</td>
</tr>
<tr>
<td>Barium sulfate</td>
<td>7727-43-7</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Diethylenetriamine</td>
<td>111-40-0</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

* 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. Get medical attention.

**Skin contact:**
Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Eye contact:**
Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Ingestion:**
DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

**Symptoms:**
See Section 11.

**Notes to physician:**
Treat symptomatically and supportively.

### 5. FIRE FIGHTING MEASURES

**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:**
In case of fire, keep containers cool with water spray. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

**Hazardous combustion products:**
Oxides of carbon. Irritating vapors.

### 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. Wear appropriate protective equipment and clothing during clean-up. Prevent further leakage or spillage if safe to do so. Ventilated area.

**Clean-up methods:**
Ensure adequate ventilation. Wear appropriate personal protective equipment. Refer to Section 8 “Exposure Controls / Personal Protection” prior to clean up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal.
7. HANDLING AND STORAGE

Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation. Keep container closed.

Storage: Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Keep away from heat, spark and flame. 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.

<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>Calcium carbonate</td>
<td>10 mg/m3 TWA Total dust.</td>
<td>5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust.</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Polymericcaptan hardener</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Barium sulfate</td>
<td>5 mg/m3 TWA Inhalable fraction.</td>
<td>5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust.</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Diethylenetriamine</td>
<td>(SKIN) 1 ppm TWA</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>10 mg/m3 TWA</td>
<td>15 mg/m3 PEL Total dust.</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 a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

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 chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state: Paste
- Color: Beige
- Odor: Sulfur
- 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: 1.75
- Vapor density: Not available.
- Flash point: > 204 °C (> 399.2 °F) Open cup
- 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: Insoluble
- Partition coefficient (n-octanol/water): Not available.
**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions of storage and use.

**Hazardous reactions:** None under normal processing.

**Hazardous decomposition products:** Oxides of carbon. Irritating vapors.

**Incompatible materials:** Strong acids. Strong bases. Strong oxidizing agents.

**Reactivity:** Not available.

**Conditions to avoid:** Keep away from heat, ignition sources and incompatible materials.

**11. TOXICOLOGICAL INFORMATION**

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

**Potential Health Effects/Symptoms**

- **Inhalation:** Mists, vapors or liquid may cause severe irritation or burns. May cause allergic respiratory reaction.
- **Skin contact:** Causes skin irritation. May cause allergic skin reaction.
- **Eye contact:** Causes serious eye irritation.
- **Ingestion:** Irritation and corrosive action can occur in the mouth, stomach tissue and digestive tract 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>Calcium carbonate</td>
<td>Oral LD50 (Rat) = 6,450 mg/kg</td>
<td>Nuisance dust</td>
</tr>
<tr>
<td></td>
<td>Oral LD50 (Mouse) = 6,450 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Polymercaptan hardener</td>
<td>None</td>
<td>No Records</td>
</tr>
<tr>
<td>Barium sulfate</td>
<td>None</td>
<td>Lung</td>
</tr>
<tr>
<td>Diethylenetriamine</td>
<td>Oral LD50 (Rat) Approximate 1,140 mg/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oral LD50 (Rat) = 1,080 mg/kg</td>
<td>Allergen, Irritant, Eyes</td>
</tr>
<tr>
<td></td>
<td>Oral LD50 (Rat) = 2.33 g/kg</td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>None</td>
<td>Irritant, Respiratory, Some evidence of carcinogenicity</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>Calcium carbonate</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Polymercaptan hardener</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Barium sulfate</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Diethylenetriamine</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>No</td>
<td>Group 2B</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: It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics of the Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24. D005. Barium.

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 Reportable quantity: 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: 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.
DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel 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 Henkel’s products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel’s products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.