1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Quick Set(TM) Auto Epoxy
Product type: Epoxy Hardener
Company address: Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No.: 37514
Region: United States

Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>%</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymercaptan hardener</td>
<td>60-100</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Proprietary</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N-(2-Aminoethyl)piperazine</td>
<td>10-30</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>140-31-8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triethylenetetramine</td>
<td>5-10</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>112-24-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phenol, 2,4,6-tris[(dimethylamino)methyl]</td>
<td>5-10</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>90-72-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free</td>
<td>1-5</td>
<td>6 mg/m³ TWA</td>
<td>10 mg/m³ TWA</td>
<td>3 mg/m³ TWA respirable dust</td>
</tr>
<tr>
<td>112945-52-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aminoethylethanolamine</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>111-41-1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heptakis(dipropylene glycol)-triphosphate</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>13474-96-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydroxethylpiperazine</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>103-76-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diethylene triamine</td>
<td>1-5</td>
<td>1 ppm TWA (skin)</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>111-40-0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION
### 4. FIRST AID MEASURES

**Inhalation:**
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

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

**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. Keep individual calm. Get medical attention immediately.

**Notes to physician:**
None.

### 5. FIRE-FIGHTING MEASURES

**Flash point:**
Greater than 93°C (200°F) Tagliabue closed cup

**Autoignition temperature:**
Not available

**Flammable/Explosive limits-lower %:**
Not available

**Flammable/Explosive limits-upper %:**
Not available

**Extinguishing media:**
Water spray (fog), foam, dry chemical or carbon dioxide.

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

**Unusual fire or explosion hazards:**
In the event of fire, cool tanks with water spray.

**Hazardous combustion products:**
6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Prevent product from entering drains or open waters.

Clean-up methods: Remove all ignition sources. Immediately contact emergency personnel. Scrape up as much material as possible. Clean residue with soap and water. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling: Keep away from heat, spark and flame. Do not breathe mist or vapors. Keep container closed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Storage: Store at or below 37.8°C (100°F). Store in original container until ready to use. Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

Incompatible products: Refer to Section 10.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.

Respiratory protection: Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

Skin protection: Chemical resistant, impermeable gloves. Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

Eye/face protection: Chemical splash goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Opaque
Odor: None
Vapor pressure: Less than 5 mm Hg at 20°C (68°F)
pH: Not applicable
Boiling point/range: Greater than 149°C (300°F)
Melting point/range: Not available
Specific gravity: 1.04
Vapor density: Not available
Evaporation rate: Not available
Solubility in water: Slightly soluble
Partition coefficient (n-octanol/water): Not available
VOC content: 0.098% (value for resin and hardener together)

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous polymerization: Will not occur.

Hazardous decomposition products: None


Conditions to avoid: Excessive heat. Storage with incompatible materials.

Item No.: 37514

Product name: Quick Set(TM) Auto Epoxy
11. TOXICOLOGICAL INFORMATION

Carcinogen Status

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymercaptan hardener, Proprietary</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>N’-(2-Aminoethyl)piperazine, 140-31-8</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Triethylenetetramine, 112-24-3</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Phenol, 2,4,6-tris[dimethylamino]methyl, 90-72-2</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free, 112945-52-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Aminoethylethanolamine, 111-41-1</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Heptakis(dipropylene glycol)triphosphate, 13474-96-9</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Hydroxyethylpiperazine, 103-76-4</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Diethylene triamine, 111-40-0</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Literature Referenced Target Organ & Other Health Effects

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Health Effects/Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymercaptan hardener, Proprietary</td>
<td>No data</td>
</tr>
<tr>
<td>N’-(2-Aminoethyl)piperazine, 140-31-8</td>
<td>Irritant, Corrosive, Allergen</td>
</tr>
<tr>
<td>Triethylenetetramine, 112-24-3</td>
<td>Allergen, Developmental, Irritant, Mutagen, Corrosive</td>
</tr>
<tr>
<td>Phenol, 2,4,6-tris(dimethylamino)methyl, 90-72-2</td>
<td>Allergen, Irritant</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free, 112945-52-5</td>
<td>Nuisance dust</td>
</tr>
<tr>
<td>Aminoethylethanolamine, 111-41-1</td>
<td>Allergen, Irritant</td>
</tr>
<tr>
<td>Heptakis(dipropylene glycol)triphosphate, 13474-96-9</td>
<td>No data</td>
</tr>
<tr>
<td>Hydroxyethylpiperazine, 103-76-4</td>
<td>Allergen, Central nervous system, Irritant</td>
</tr>
<tr>
<td>Diethylene triamine, 111-40-0</td>
<td>Allergen, Eyes, Irritant</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: Dispose according to EPA and local governmental regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

Item No.: 37514

Product name: Quick Set(TM) Auto Epoxy
14. TRANSPORT INFORMATION

The shipping classifications in this section 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: Corrosive liquid, basic, organic, n.o.s. (Triethylenetetramine / Aminoethylpiperazine)
- Hazard class or division: 8
- Identification number: UN 3267
- Packing group: II
- Exceptions: (Not more than 1L) Consumer Commodity ORM-D

International Air Transportation (ICAO/IATA):
- Proper shipping name: Corrosive liquid, basic, organic, n.o.s. (Triethylenetetramine / Aminoethylpiperazine)
- Hazard class or division: 8
- Identification number: UN3267
- Packing group: II

Water Transportation (IMO/IMDG):
- Proper shipping name: Corrosive liquid, basic, organic, n.o.s. (Triethylenetetramine / Aminoethylpiperazine)
- Hazard class or division: 8
- Identification number: UN3267
- Packing group: II

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.
- CERCLA/SARA Section 302 EHS: None above reporting de minimus.
- CERCLA/SARA Section 311/312: Immediate Health Hazard
- CERCLA/SARA 313: None above reporting de minimus.
- California Proposition 65: This product contains a chemical known to 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 Domestic Substances List.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: First issue.

Prepared by: Gary Pierson, Sr. Product Safety and Regulatory Affairs Specialist

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.

Item No.: 37514
Product name: Quick Set(TM) Auto Epoxy