1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Locquic(R) Primer T 7471
Product type: Accelerator
Company address: Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

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>Acetone, 67-64-1</td>
<td>60-100</td>
<td>500 ppm TWA</td>
<td>1000 ppm TWA</td>
<td>None</td>
</tr>
<tr>
<td>Isopropyl alcohol, 67-63-0</td>
<td>10-30</td>
<td>200 ppm TWA</td>
<td>400 ppm TWA</td>
<td>None</td>
</tr>
<tr>
<td>Ethanol, 3077-12-1</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>2-Mercaptobenzothiazole, 149-30-4</td>
<td>0.1-1</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

2-Mercaptobenzothiazole 149-30-4

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:
- Physical state: Liquid
- Color: Yellow to Amber
- Odor: Acetone

HEALTH: 2*
FLAMMABILITY: 3
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

DANGER: FLAMMABLE LIQUID AND VAPOR. CAUSES EYE AND SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION.

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

Potential Health Effects

Inhalation: May cause respiratory tract irritation. Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
Skin contact: Irritating to skin. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.
Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation.
Ingestion: Moderately toxic by ingestion.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

Item number: 19267

Company address: Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Issue date: 04/01/2004
Revision Date: 04/01/2004
4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If discomfort persists seek medical attention.

Skin contact: Wash with soap and water.

Eye contact: Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time.

Ingestion: If conscious, drink plenty of water. Do not induce vomiting. Keep individual calm. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point: -8.3°C (17°F) (estimated)

Autoignition temperature: Not available

Flammable/Explosive limits-lower %: Not available

Flammable/Explosive limits-upper %: Not available

Extinguishing media: 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: Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.


6. ACCIDENTAL RELEASE MEASURES

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

Clean-up methods: Remove all ignition sources. Ensure adequate ventilation. Soak up with inert absorbent. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition.

Storage: Store away from heat, sparks, flames, or other sources of ignition. For safe storage, store at or below 49°C (120°F).

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 ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Item number: 19267

Product name: Locquic(R) Primer T 7471
Skin protection: Chemical resistant, impermeable gloves.

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

See Section 2 for exposure limits.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color:</td>
<td>Yellow to Amber</td>
</tr>
<tr>
<td>Odor:</td>
<td>Acetone</td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td>172 mmHg at 20 °C (68 °F)</td>
</tr>
<tr>
<td>pH:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point/range:</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting point/range:</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific gravity:</td>
<td>0.7953</td>
</tr>
<tr>
<td>Vapor density:</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility in water:</td>
<td>Completely miscible</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>Not available</td>
</tr>
<tr>
<td>VOC content:</td>
<td>13.3%; 106 grams/liter (EPA Method 24)</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.


Incompatibility: Strong oxidizers.

Conditions to avoid: See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

### 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>Acetone</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Ethanol,2,2':(4-methylphenyl)imino bis-</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>2-Mercaptobenzothiazole</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>Acetone</td>
<td>Blood, Central nervous system, Irritant, Reproductive</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>Allergen, Blood, Central nervous system, Irritant, Kidney, Liver, Brain, Spleen</td>
</tr>
<tr>
<td>Ethanol,2,2':(4-methylphenyl)imino bis-</td>
<td>Allergen</td>
</tr>
<tr>
<td>2-Mercaptobenzothiazole</td>
<td>Allergen, Kidney, Some evidence of carcinogenicity</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 of according to Federal, State and local governmental regulations.

EPA hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR):

- **Proper shipping name**: Flammable liquid, n.o.s. (Acetone, Isopropanol)
- **Hazard class or division**: 3
- **Identification number**: UN 1993
- **Packing group**: II
- **Exceptions**: Consumer Commodity ORM-D (Not more than 1 Liter)

International Air Transportation (ICAO/IATA):

- **Proper shipping name**: FLAMMABLE LIQUID, N.O.S. (Acetone, Isopropanol)
- **Hazard class or division**: 3
- **Identification number**: UN 1993
- **Packing group**: II
- **Exceptions**: Consumer Commodity ID8000 (Not more than 500 ml)

WaterTransportation (IMO/IMDG):

- **Proper shipping name**: Flammable liquid n.o.s. (Acetone, Isopropanol)
- **Hazard class or division**: 3
- **Identification number**: UN 1993
- **Packing group**: II
- **Exceptions**: Dangerous goods in limited quantities of class 3 (Not more than 5 liter(s))
- **Marine pollutant**: 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**: Acetone (CAS# 67-64-1).
- **CERCLA/SARA Section 302 EHS**: None.
- **CERCLA/SARA Section 311/312**: Immediate Health Hazard, Delayed Health Hazard, Fire
- **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 and birth defects or other reproductive harm. 1,4-Dioxane (CAS# 123-91-1). Ethylene oxide (CAS# 75-21-8). Acetaldehyde (CAS# 75-07-0). Benzene (CAS# 71-43-2). Formaldehyde (CAS# 50-00-0).

Canada Regulatory Information

- **CEPA DSL/NDSL Status**: All components are listed on or are exempt from listing on the Domestic Substances List.
This material safety data sheet contains changes from the previous version in sections: Expanded chemical information in Section 2 and related sections.

Prepared by: Kyra Kozak Woods, Health and Regulatory Affairs Specialist

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