1. PRODUCT AND COMPANY IDENTIFICATION

Product name: HI-POINT® 90 (TAP MEKP Catalyst)

Chemical name: Methyl ethyl ketone peroxides

Supplier: Crompton Corporation
One American Lane
Greenwich, CT 06831-2559, USA

Emergency telephone number: Crompton Corporation Emergency Response  903-938-5141

CHEMTREC (24 hours) 800-424-9300

For MSDS, Product Safety, or regulatory inquiries, call: Mr. Anthony Andrews  903-938-5141

Customer Service: 877-948-2660 or (800) 246-5055 Mon-Fri 9am to 5pm (PST)

2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS#</th>
<th>CONCENTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>methyl ethyl ketone peroxides</td>
<td>1338-23-4</td>
<td>36.0 - 40.0 %</td>
</tr>
<tr>
<td>(% Active Oxygen)</td>
<td>-</td>
<td>&lt;= 9.0 %</td>
</tr>
<tr>
<td>dimethyl phthalate</td>
<td>131-11-3</td>
<td>32.0 - 36.0 %</td>
</tr>
<tr>
<td>proprietary safety diluent</td>
<td>-</td>
<td>26.0 - 30.0 %</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

APPEARANCE

Physical state: Liquid
Color: Colorless to light yellow
EMERGENCY OVERVIEW

WARNING!

MAY BE HARMFUL OR FATAL IF SWALLOWED.

MAY CAUSE ALLERGIC SKIN REACTION.
MAY BE IRRITATING OR CORROSIVE TO THE SKIN AND/OR EYES.

POTENTIAL HEALTH EFFECTS

Swallowing
Acute effects
Harmful or fatal if swallowed.

Skin absorption
Acute effects
May cause eye and skin irritation.

Inhalation
Acute effects
May be harmful by inhalation.

Skin contact
Acute effects
May cause allergic skin reaction.

Eye contact
Acute effects
May cause chemical burns of the eye.

POTENTIAL ENVIRONMENTAL EFFECTS

This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant.

4. FIRST AID MEASURES

Swallowing
Obtain medical attention. If patient is fully conscious, rinse mouth with water. Give water to drink. Drink water in small sips. (Diluting effect) Never give anything by mouth to an unconscious person. Vomiting may cause aspiration into the lungs resulting in chemical pneumonia.

Skin
Remove contaminated clothing. Wash skin with soap and water. If irritation persists or if contact has been prolonged,
obtain medical attention.

**Inhalation**
Remove to fresh air. If exposure is severe, hospitalize and observe. If breathing has stopped, give artificial respiration.

**Eye contact**
Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention immediately. May cause blindness.

**Notes to physician**
ROUTES OF ENTRY: Eyes, skin, ingestion, inhalation, mist. TARGET ORGANS: Eyes, skin, respiratory system.

### 5. FIRE-FIGHTING MEASURES

**Flash point:** 80 °C

<table>
<thead>
<tr>
<th>NFPA CLASSIFICATION (Health)</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Special provisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2</td>
<td>2</td>
<td>-</td>
</tr>
</tbody>
</table>

**Special fire fighting procedures**
Evacuate all personnel from danger area. Use water spray to cool fire-exposed containers and structures.

**Special protective equipment for firefighters**
Body covering protective clothing. Self-contained breathing apparatus.

**Extinguishing media**
- water fog
- foam
- CO2
- dry chemical
- dry sand

**Unusual fire and explosion hazards**
Other harmful gases and vapors may be formed in addition to the major combustion products of carbon dioxide and carbon monoxide. There is a potential for an explosive decomposition in a fire situation. Once ignited, this product will burn vigorously and with acceleration.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**
Avoid contact with eyes and skin. Avoid contact with liquid and vapors. Provide sufficient ventilation.
Environmental precautions
Avoid runoff to sewers or waterways. This product has limited solubility in water.

Methods for cleaning up
Stop the leak if it can be done without risk.
Dike to contain spill.
Absorb on inert material such as sand, earth, vermiculite.
Cover by foam or wet with small quantities of water.
Sweep up using non-sparking equipment.
Collect in a suitable container for disposal.
Storage material: Polypropylene, polyethylene
Dispose of waste material in compliance with all federal, state, and local regulations.

7. HANDLING AND STORAGE

HANDLING

Handling precautions
Keep containers tightly closed to prevent contamination. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when handling. Wear recommended personal protection equipment. Remove contaminated clothing and wash before reuse. Use spark-proof tools and explosion-proof equipment.

Other precautions
Store containers in a well-ventilated area. Open them cautiously, in case they may be under slight pressure. Have good ventilation and suitable protective equipment in areas where containers will be opened.
Keep away from heat, sparks and flame.
Do not expose to direct sunlight.

STORAGE

Storage requirements
Regulated as an Organic Peroxide, Class 5.2, for storage and handling. Store in original containers away from incompatible materials, direct sunlight, flames, and all sources of heat.

Further information on storage
Maximum Storage Temperature: 38 °C (100 °F). In order to maintain the product's original manufactured assay in long term storage, a lower storage temperature of below 30 °C (86 °F) is strongly recommended. Shelf Life: (Calculated from half-life data in benzene solution) Estimate > 48 months at which 95% of the original manufactured assay remains when stored at or below 30 °C (86 °F).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION
Respiratory protection
None required in normal use. Self-contained breathing apparatus may be needed if product is used in a confined or poorly ventilated area.

Hand protection / protective gloves
Neoprene type gloves.

Eye protection
Wear suitable eye protection.
Faceshield
Safety goggles.
Contact lenses should not be worn.

Skin protection
Wear protective clothing.
Apron/boots of neoprene if risk of splashing

ENGINEERING CONTROLS

Ventilation
General (mechanical) room ventilation is expected to be satisfactory.

EXPOSURE LIMITS

<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
<th>Value</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>methyl ethyl ketone</td>
<td>Ceiling, ACGIH</td>
<td>1.5 mg/m³</td>
<td></td>
</tr>
<tr>
<td>peroxides</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>dimethyl phthalate</td>
<td>TWA</td>
<td>5.0 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state: Liquid
Color: Colorless to light yellow

OTHER PROPERTIES

Boiling point: Decomposition: 68°C
Specific gravity (H2O=1): 1.072 at 25 °C
Flash point: 80 °C
Method: Setaflash closed cup ASTM D 3828
10. STABILITY AND REACTIVITY

Stability: This product is stable only when stored at, or below, the recommended maximum temperature. (see section 7)
SADT
Value: 70 °C
Remark: 40 # Package

Stability - Conditions to avoid
Contamination with ANY foreign substance,
Exposure to heat
Protect from direct sunlight.

Incompatible materials
Strong acids.
Reducing agents.
Accelerators
Promoters
Other reactive chemicals

Hazardous combustion products
Carbon monoxide.
Carbon dioxide.
Hydrocarbons.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Test results
Acute toxicity: Test substance: 9% AO MEKP
LD50 - Rat
Result: 1,017 mg/kg

SKIN ABSORPTION

Test results
Acute toxicity: Test substance: 9% AO MEKP
LD50 - Rabbit
Result: 4,000 mg/kg

INHALATION

Test results
Acute toxicity: Test substance: 9% AO MEKP
LC50 - Mouse
Result: 17 mg/l
Exposure time: 4 h

SKIN CONTACT

Test results
Skin irritation: Species: Rabbit
Result: No data available.

EYE CONTACT

Test results
Eye irritation: Species: Rabbit
Result: Corrosive.

12. ECOLOGICAL INFORMATION

This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant.

13. DISPOSAL CONSIDERATIONS

US waste
Dispose of waste material in compliance with all federal, state, and local regulations. Hazardous waste ID number U160 & U102 (MEKP & DMP), see 40CFR261.33(f)

14. TRANSPORT INFORMATION

DOT Classification
Product name: HI-POINT® 90
MSDS Number: 500000000563  Revision: 1.2  01/30/2001  Page: 8 of 9

Proper shipping name: ORGANIC PEROXIDE TYPE D, LIQUID (METHYL ETHYL KETONE PEROXIDES, =<45%)
Class: 5.2
UN ID #: UN 3105
Packing group: II

15. REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS#</th>
<th>Max weight %</th>
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<tbody>
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<td>dimethyl phthalate</td>
<td>131-11-3</td>
<td>32.00 - 36.00</td>
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</table>

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS#</th>
<th>New Jersey TS Number</th>
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<tbody>
<tr>
<td>methyl ethyl ketone peroxides (% Active Oxygen)</td>
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</table>

16. OTHER INFORMATION

CHEMICAL INVENTORY

Canada: The ingredients of this product are on the DSL.

Europe: The ingredients of this mixture are on the EINECS inventory.

United States: The ingredients of this product are on the TSCA inventory.

Australia: The ingredients of this product are on the AICS inventory.

FURTHER INFORMATION
Dust generated from the sanding or finishing of certain types of hardened resins can spontaneously combust if stored or disposed of improperly. Consult your resin manufacturer for proper dust storage and disposal.

HMIS RATING

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>PPI</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2</td>
<td>2</td>
<td>-</td>
</tr>
</tbody>
</table>

LEGEND
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STP</td>
<td>Standard temperature and pressure</td>
</tr>
<tr>
<td>W/W</td>
<td>Weight/Weight</td>
</tr>
<tr>
<td>0 (HMI)</td>
<td>Minimal hazard</td>
</tr>
<tr>
<td>1 (HMI)</td>
<td>Slight hazard</td>
</tr>
<tr>
<td>2 (HMI)</td>
<td>Moderate hazard</td>
</tr>
<tr>
<td>3 (HMI)</td>
<td>Serious hazard</td>
</tr>
<tr>
<td>4 (HMI)</td>
<td>Severe hazard</td>
</tr>
<tr>
<td>X (HMI)</td>
<td>Personal protection rating to be supplied by user depending on use conditions</td>
</tr>
</tbody>
</table>

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