Material Safety Data Sheet
Cyclopropylamine

Section 1: Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Catalog Codes</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclopropylamine</td>
<td>10536</td>
<td>Finar Limited</td>
</tr>
<tr>
<td>CAS#: 765-30-0</td>
<td></td>
<td>184-186/P, Chacharwadi Vasna, Sarkhej-Bavla Highway, Ta.: Sanand, Dist.: Ahmedabad, Email: <a href="mailto:info@finarchemicals.com">info@finarchemicals.com</a> Web: <a href="http://www.finarchemicals.com">www.finarchemicals.com</a></td>
</tr>
<tr>
<td>RTECS: GZ0685500</td>
<td></td>
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</tr>
<tr>
<td>TSCA: Not Available</td>
<td></td>
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<tr>
<td>CI#: Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Synonym: Not Available</td>
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</tr>
<tr>
<td>Chemical Formula: C3H7N</td>
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<td></td>
</tr>
</tbody>
</table>

Section 2: Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Composition</th>
<th>Name</th>
<th>CAS #</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition</td>
<td>Cyclopropylamine</td>
<td>765-30-0</td>
<td>-</td>
</tr>
</tbody>
</table>

Section 3: Hazards Identification

Potential Health Effects
- **Inhalation**: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
- **Skin**: May be harmful if absorbed through skin. Causes skin burns.
- **Eyes**: Causes eye burns.
- **Ingestion**: Toxic if swallowed. Causes burns.

Section 4: First Aid Measures

- **Eye Contact**: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
- **Skin Contact**: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- **Inhalation**: Remove from exposure and move to fresh air immediately.
- **Ingestion**: Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Section 5: Fire and Explosion Data

- **Health**: 3
- **Fire**: 3
- **Reactivity**: 0
- **Personal Protection**: E
Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 275 °C (527 °F)
Flash Points: -26 °C (-15 °F) - closed cup
Flammable Limits: Not available.
Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not available.

Fire Fighting Media and Instructions: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Special Remarks on Fire Hazards: Wear self contained breathing apparatus for firefighting if necessary.

Further information: Use water spray to cool unopened containers.

### Section 6: Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool.

### Section 7: Handling and Storage

**Handling:** Use spark-proof tools and explosion proof equipment. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Take precautionary measures against static discharges. Use only in a chemical fume hood.

This product may be under pressure; cool before opening.

**Storage:** Keep away from heat, sparks, and flame. Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

### Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Personal Protective Equipment**

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:** Handle with gloves.

**Eye protection:** Safety glasses

**Skin and body protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### Section 9: Physical and Chemical Properties

**Physical state and appearance:** Clear liquid

**Color:** colorless to light yellow

**Odor:** ammonia-like

**Taste:** Not available.

**Molecular Weight:** 57.09 g/mole

**pH:** Not applicable.

**Boiling Point:** 49 - 50 °C (120 - 122 °F)

**Melting Point:** Not available
Critical Temperature: Not available.
Specific Gravity: 0.824
Vapor Pressure: 1,249.6 hPa (937.3 mmHg) at 55 °C (131 °F), 322.0 hPa (241.5 mmHg) at 20 °C (68 °F)
Vapor Density: 2.0 (air=1)
Volatile: Not available.
Odor Threshold: Not available.
Water/Oil Dist. Coeff.: Not available.
Ionicity (in Water): Not available.
Dispersion Properties: Not available.
Solubility: Soluble in water

**Section 10: Stability and Reactivity Data**
Stability: Stable under normal temperatures and pressures.
Chemical Stability: Hygroscopic: absorbs moisture or water from the air.
Instability Temperature: Not available.
Conditions of Instability: Heat, flames and sparks.
Incompatibility with various substances: Acids, Acid chlorides, Acid anhydrides, Strong oxidizing agents, Carbon dioxide (CO2)
Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)
Hazardous reactions: Vapours may form explosive mixture with air.
Corrosivity: Not available.
Special Remarks on Reactivity: Not available.
Special Remarks on Corrosivity: Not available.

**Section 11: Toxicological Information**
Acute toxicity
LD50 Oral - rat - 445 mg/kg
Remarks: Gastrointestinal:Changes in structure or function of salivary glands. Diarrhoea Nutritional and Gross Metabolic:Weight loss or decreased weight gain.
Irritation and corrosion
no data available
Sensitisation
no data available
Chronic exposure
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Potential Health Effects
Inhalation May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Skin May be harmful if absorbed through skin. Causes skin burns.
Eyes Causes eye burns.
Ingestion Toxic if swallowed. Causes burns.
Additional Information
RTECS: GZ0685500
Section 12: Ecological Information

Elimination information (persistence and degradability): no data available
Ecotoxicity effects: no data available
Further information on ecology: no data available

Section 13: Disposal Considerations

Product
Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging
Dispose of as unused product.

Section 14: Transport Information

DOT (US)
UN-Number: 2733 Class: 3 (8) Packing group: II
Proper shipping name: Amines, flammable, corrosive, n.o.s. (Cyclopropylamine)
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN-Number: 2733 Class: 3 (8) Packing group: II EMS-No: F-E, S-C
Proper shipping name: AMINES, FLAMMABLE, CORROSIVE, N.O.S. (Cyclopropylamine)
Marine pollutant: No

IATA
UN-Number: 2733 Class: 3 (8) Packing group: II
Proper shipping name: Amines, flammable, corrosive n.o.s. (Cyclopropylamine)

Section 15: Other Regulatory Information

OSHA Hazards
Flammable Liquid, Toxic by ingestion, Corrosive

DSL Status
This product contains the following components listed on the Canadian NDSL list. All other components are on the Canadian DSL list.
Cyclopropylamine
CAS-No.: 765-30-0

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Fire Hazard, Acute Health Hazard

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/06/2010
Last Updated: 24/11/2012

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such
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