**Material Safety Data Sheet**

**PRODUCT NAME:** CAPRYLIC/CAPRIC ACID (C8-C10) LOW C6

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**CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION**

<table>
<thead>
<tr>
<th>TRADE NAME</th>
<th>CAPRYLIC/CAPRIC ACID (C8 – C10) LOW C6</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS #:</td>
<td>68937-75-7</td>
</tr>
<tr>
<td>EINECS#:</td>
<td>273-086-2</td>
</tr>
<tr>
<td>DATE:</td>
<td>December 15, 2009</td>
</tr>
<tr>
<td>DISTRIBUTOR</td>
<td>ACME-HARDESTY COMPANY</td>
</tr>
<tr>
<td>ADDRESS:</td>
<td>450 Sentry Parkway, Blue Bell, PA 19422</td>
</tr>
<tr>
<td>TELEPHONE:</td>
<td>(800) 223 - 7054</td>
</tr>
<tr>
<td>FAX:</td>
<td>(215) 591 – 3620</td>
</tr>
<tr>
<td>EMERGENCY:</td>
<td>CHEMTREC (800) 424-9300</td>
</tr>
</tbody>
</table>

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**INGREDIENTS/COMPONENTS**

<table>
<thead>
<tr>
<th>COMPOSITION</th>
<th>CHEMICAL FORMULA</th>
<th>CAS#</th>
<th>%</th>
<th>EC#</th>
<th>EC SYMBOL</th>
<th>EC R-PHRASES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Octanoic Acid</td>
<td>C₈H₁₆O₂/CH₃(CH₂)₆COOH</td>
<td>124-07-2</td>
<td>53 – 63</td>
<td>204-677-5</td>
<td>Xi</td>
<td>R34/36/38</td>
</tr>
<tr>
<td>Decanoic Acid</td>
<td>C₁₀H₂₀O₂/CH₃(CH₂)₈COOH</td>
<td>334-48-5</td>
<td>36 – 47</td>
<td>206-376-4</td>
<td>Xi</td>
<td>R36/38</td>
</tr>
<tr>
<td>Dodecanolic Acid</td>
<td>C₁₂H₂₄O₂/CH₃(CH₂)₁₀COOH</td>
<td>143-07-7</td>
<td>≤ 2.0</td>
<td>205-582-1</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Hexanoic Acid</td>
<td>C₆H₁₂O₂/CH₃(CH₂)₆COOH</td>
<td>142-62-1</td>
<td>≤ 0.5</td>
<td>205-550-7</td>
<td>C</td>
<td>R21/R34</td>
</tr>
</tbody>
</table>

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**HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<table>
<thead>
<tr>
<th>HAZARD SYMBOLS</th>
<th>Xi Irritant</th>
<th>C Corrosive</th>
</tr>
</thead>
<tbody>
<tr>
<td>R PHRASES:</td>
<td>R34: Causes Burns</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R 36: Irritating to eyes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R 38: Irritating to skin</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R 21: Harmful in skin contact</td>
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</tr>
</tbody>
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**FIRST AID MEASURES**

**SKIN CONTACT:** Remove contaminated clothing, flush skin with water or shower, take to a doctor if necessary.

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes. Send to a doctor if necessary.

**INHALATION:** Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if difficulty in breathing continues.

**INGESTION:** Rinse mouth, drink plenty of water and do not induce vomiting. Get medical attention immediately. Do not give anything by mouth to an unconscious person.
FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry powder, carbon dioxide or foam. Use water to keep the fire-exposed container cool.

PERSONAL PRECAUTIONS:
Avoid contact with skin and eyes. To wear rubber gloves, air respirator, safety goggles, boots or safety shoes.

ENVIRONMENTAL PRECAUTIONS:
Do not allow to flow in drainage system.

METHODS FOR CLEANING UP:
Cover contaminated area with sand, soda ash or sodium bicarbonate. Mix and shovel into closed container. Wash site with sodium bicarbonate or soda ash solution. Clean up area immediately.

HANDLING AND STORAGE

HANDLING:
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Wear protective gear as per stated in Personal Protection section. Always work safely around open hatches on bulk tanks.

CAUTION:
The low density makes flotation difficult for immersed person.

STORAGE REQUIREMENTS:
Keep in a cool and dry place, avoid extreme heat and cold. Store in clean, dry, preferably stainless steel, vessels or steel drums coated with resin lining such as epoxy phenolic lining. In bulk, store at about 10°C above melting point or ambient. Temperature higher than necessary degrades quality at rates dependent on time and temperature of exposure.

EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMITS:
Not established.

GENERAL PRECAUTIONS:
Avoid contact with eyes, skin and clothing.

PERSONAL PROTECTION/EQUIPMENT:
HAND / SKIN: Use rubber gloves and protective clothing.
EYE: Wear approved safety goggles or face shield.

INDUSTRY HYGIENE:
Normal standard of industrial hygiene to be observed.

STABILITY AND REACTIVITY

CONDITIONS TO AVOID:
Direct fire.
MATERIALS TO AVOID:
Strong oxidizing agents
DECOMPOSITION IN PRODUCTS:
Does not decompose up to 204°C. Thermal decomposition or burning may produce carbon dioxide and/or carbon monoxide.
PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE: Clear pale yellow liquid
ODOR: Slight unpleasant musty pungent odor
SOLUBILITY: Soluble in ethanol, ether and most organic solvents
Very low solubility in water

BOILING POINT @ 760 mm Hg, ºC: 237 – 268
MELTING POINT, ºC: 3 – 6
FLASH POINT (Cleveland Open Cup), ºC: 135ºC
AUTO-IGNITION, ºC: >250ºC
DENSITY, g/ml @ 20ºC: 0.85 – 0.91
VAPOR PRESSURE (mm Hg @ 20ºC): 0.99
VISCOSITY, mPa.s @ 30ºC: 15.0

TOXICOLOGICAL INFORMATION

TOXICITY DATE: LD 50 (oral, rat) = > 10,000 mg/kg
EYE CONTACT: Moderate irritation
SKIN CONTACT: Moderate irritation
CARCINOGENICITY: None reported
REPRODUCTIVE EFFECT: None reported
CHRONIC EFFECT: None reported

ECOLOGICAL INFORMATION

ECOTOXICITY:

ACUTE FISH TOXICITY: LC 50 > 100 mg product/liter
ACUTE BACTERIA TOXICITY: EC 50 > 100 mg product/liter

BIODEGRADABILITY: Biodegradable

DISPOSAL INFORMATION

DISPOSAL METHODS: In accordance with all applicable national environmental laws and regulations.
Do not dispose via sinks, drains or into the immediate environment.

TRANSPORT INFORMATION

Classified in DOT, RID/ADR, ADNR, IMDG, ICAO-TI / IATA-DGR.

PROPER SHIPPING NAME: Corrosive Liquid, Acidic, Organic, N.O.S.
TECHNICAL NAME: Octanoic-Decanoic Acid
IMO/IMDG CODE: Class 8
PACKING GROUP: III
UN NUMBER: 3265

REGULATORY INFORMATION

All components of this product are listed on the following inventories:
USA: TSCA
Canada: DSL
Europe: EINECS/ELINCS
Australia: AICS
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Disposal of containers must comply with applicable federal, state and local laws and regulations. Empty containers should never be given to individuals.