**Material Safety Data Sheet**

**Product Name:** ACETONE

**Chemical Synonyms:** Dimethylketone

**Formula:** CH₃COCH₃

**C.A.S. No.:** 67-64-1

**Section I: Name**

**Health Hazard:** 1

**Flammability:** 3

**Reactivity:** 2

**Section II: Hazardous Ingredients of Mixtures**

<table>
<thead>
<tr>
<th>Principal Hazardous Component(s)</th>
<th>%</th>
<th>P.E.L.</th>
<th>TLV Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CN19</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Section IV: Fire and Explosion Hazard Data**

<table>
<thead>
<tr>
<th>Flash Point (Method Used)</th>
<th>-18°C closed cup</th>
<th>Flammable Limits in Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>% by Volume</td>
<td>Lower</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Upper</td>
<td></td>
</tr>
<tr>
<td>Water spray, dry chemical, alcohol foam, or carbon dioxide</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Section V: Reactivity Data**

- **Stability:** Stable
- **Conditions to Avoid:** Heat, ignition sources.
- **Incompatibility (Materials to Avoid):** Oxidizing agents, chloroform, acids, and alkalies, potassium tert-butoxide
- **Hazardous Decomposition Products:** Carbon oxides
- **Conditions to Avoid:** None

**Section VII: Spill or Leak Procedures**

- **Steps to be Taken in Case Material is Released or Spilled:** Ventilate area leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Small spills may be absorbed on paper towels and evaporated in fume hood. Allow enough time for fumes to clear hood, then ignite paper in a suitable location away from combustible materials. Contain and recover liquid when possible.

**Waste Disposal Method:** Discharge, treatment, or disposal must be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of container or in-plant only. Can be liquid incinerated in RCRA approved combustion chamber or absorbed with vermiculite, dry sand, earth, or similar material. Scoop up with non-sparking tools and place in closed container, and dispose in RCRA approved facility. Do not flush to sewer.

**Section VIII: Special Protection Information**

- **Respiration Protection (Specify Type):** Organic cartridge or self contained
- **Ventilation:** Local Exhaust, Mechanical (General), Other
- **Protective Gloves:** Poly or Rubber, Eye Protection, Goggles
- **Other Protective Equipment:** Lab Coat

**Section IX: Special Precautions**

**Precautions to be Taken in Handling & Storing:** Keep container tightly closed when not in use. Store in a cool well ventilated place.

**Other Precautions:** Read label on container before using. Do not wear contact lenses when working with chemicals.

**Approved by:** Steven C. Quandt

**Effective Date:** 10/31/04

**For laboratory use only. Not for drug, food or cosmetic use.**

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