

# MATERIAL SAFETY DATA SHEET

## ACETONE

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**Product/Chemical Name:** ACETONE CAS # 67-64-1 UN # 1090 UN Hazard Class: 3

UN Packing Group: 2

**Formula:** CH<sub>3</sub>COCH<sub>3</sub>

**Physical Description:** Volatile, highly flammable liquid, pungent odor, sweetish taste

Boiling Point: 133°F (56°C) Flash Point -20°C c.c. Specific gravity: .79

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**Special Hazards:** Self-contained breathing apparatus is required

**Unusual Fire/Explosion Hazards:** Caution: Material is highly flammable

**Reactivity:** Due to solvent properties, keep away from plastic jewelry, pens, eyeglass frames, and rayon clothing. The substance can form explosive peroxides on contact with strong oxidants such as acetic acid, nitric acid, or hydrogen peroxide. Reacts with chloroform and bromoform under basic conditions, causing fire and explosion hazard. Attacks plastic.

**Hazardous Decomposition Products:** Keep away from materials that should not be stored near flammable liquid of low flash.

### Spill or Leak Procedures

**Action:** Absorb liquid on paper, evaporate in fume hood, discard paper.

**Disposal Method:** To be performed in compliance with all current local, state and federal regulations.

**Threshold Limit Value:** 1,000 ppm

**Overexposure Effects:** Prolonged or repeated skin exposure may produce erythema and dryness.

Inhalation in large amounts may cause narcosis.

### First Aid Procedures

**Skin:** Remove contaminated clothing and shoes immediately. Wash area with large amounts of water for at approx. 15-20 minutes until no evidence of chemical remains.

**Eye:** Check for and remove any contact lenses. Flush eyes immediately with large amounts of water or normal saline until no evidence of chemical remains (approx. 15-20 minutes). Get medical attention immediately.

**Ingestion:** Check for and remove any dentures. If victim is conscious, induce vomiting by giving one tbsp of salt in glass of warm water. Repeat until vomit fluid is clear. Get medical attention immediately.

**Inhalation:** Move victim to fresh air if the atmosphere is contaminated. Apply CPR if victim stops breathing. Get medical attention immediately.

**Storage Recommendations:** Store at room temperature.

### Special Protection Information

Exhaust ventilation recommended. Gloves and safety glasses recommended.

Have all-purpose canister mask available.

### Special Handling Precautions

Dot Hazard Class: Flammable liquid. Keep container closed when not in use.