

Acetophenone- β,β,β -d₃: sc-227201



The Power to Question

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Acetophenone- β,β,β -d₃
Catalog Code: sc-227201
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

SECTION 2: CHEMICAL INFORMATION (UNLABELED)

Chemical Name: ACETOPHENONE
Synonyms: Phenylmethyl Ketone; 1-Phenylethanone; Acetylbenzene
CAS No.: 17537-31-4
Molecular formula: C₈H₈O
Molecular weight: 123.17

SECTION 3: HAZARDS IDENTIFICATION

Known Hazards: IRRITANT, COMBUSTIBLE

SECTION 4: FIRST AID MEASURES

Skin Contact: Wash with water.
Ingestion: Medical assistance for gastric lavage.
Inhalation: Remove to fresh air, artificial respiration or oxygen if necessary.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Carbon dioxide, dry chemical powder, foam.
Special Fire Fighting Equipment: Wear a self-contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazards: Combustible.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
Spill Clean-up Methods: Provide adequate ignition-proof ventilation. Remove all heat and ignition sources. Carefully absorb on vermiculite and transfer to a closed container.

SECTION 7: HANDLING AND STORAGE

Usage/Handling Precautions: Good fume-hood.
Storage Conditions: Store at room temperature. Adequate ventilation. Protect from heat and ignition sources. Protect from light. Protect from moisture.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory Protection: Self-contained breathing apparatus or chemical cartridge.
Hand Protection: Chemical-resistant gloves, solvent-resistant gloves.

Eye Protection: Wear safety goggles.

Other Protective Equipment: Protective clothing.

Other Protective Measures: Provide safety showers and eyewash station near workplace.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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|------------------------------------|----------|-------------------------------|----------|
| Appearance | liquid | Boiling Point (°C) | 202 |
| Density (g/cm ³) | 1.026 | Melting Point (°C) | 20 |
| Vapor Density (Air = 1) | 4.14 | Vapor Pressure (mm Hg) | 1 (15°C) |
| Volatiles (%) | Moderate | Water Solubility (%) | Slight |
| Flash Point (°C)-Closed (open) cup | 105 (82) | Autoignition Temperature (°C) | 571 |

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Incompatibility (Materials to Avoid): Strong oxidizing/reducing agents.

Hazardous Decomposition Products: CO/CO₂ on combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute and Chronic Health Hazards

50 Oral LD 815 mg/kg (rat)

50 IPR LD 200 mg/kg (mouse)

TLV: None verified.

Effects of Overexposure: Irritation (eyes, respiratory, skin). Narcotic (in high concentrations). Hypnotic.

SECTION 12: ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Procedures: Via licensed disposal company. Dispose of according to federal and local regulations.

SECTION 14: TRANSPORT INFORMATION

IATA: Non-hazardous for transport.

SECTION 15: REGULATORY INFORMATION

TLV: None verified.

SECTION 16: OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

4/20/2012