2-Hydroxy-3-methyl-2-cyclopentenone 80-71-7 MSDS

Section 1.Chemical Product and Company Identification

Chemical Name 2-Hydroxy-3-methyl-2-cyclopentenone

Portland OR

Synonym 2-Cyclopenten-1-one, 2-hydroxy-3-methyl-

(CA INDEX NAME);

3-Methyl-1,2-cyclopentanedione;

3-Methyl-2-cyclopentenon-2-ol;

Cyclotene

Chemical Formula C6H8O2

CAS Number 80-71-7

Section 2. Composition and Information on Ingredients

Chemical Name CAS Number Percent (%) TLV/PEL Toxicology Data

2-Hydroxy-3-methyl-2-cyclopentenone Min. 98.0 (T) Not available. Guinea Pig LD50 (oral) 1400 mg/kg

80-71-7

Section 3. Hazards Identification

No specific information is available in our data base regarding the toxic effects of this material for humans. However,

Acute Health Effects

exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if

inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling

this compound.

CARCINOGENIC EFFECTS : Not available.

Chronic Health Effects

MUTAGENIC EFFECTS : Not available.

TERATOGENIC EFFECTS : Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15

minutes. Get medical attention.

Skin Contact In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing

before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Inhalation If the victim is not breathing, perform mouth-to-mouth resuscitation. Loosen

tight clothing such as a collar, tie, belt or

waistband. If breathing is difficult, oxygen can be administered. Seek medical attention if respiration problems do not

improve.

Ingestion INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat.

Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth

resuscitation. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic

material was ingested; the absence of such signs, however, is not conclusive. SEEK IMMEDIATE MEDICAL ATTENTION in

case of ingestion of a radioactive material.

Section 5. Fire and Explosion Data

Not available.

Flammability May be combustible at high temperature. Auto-Ignition

Flash Points Not available. Flammable Limits Not available.

Combustion Products These products are toxic carbon oxides (CO, CO2).

Fire Hazards

Not available.

Risks of explosion of the product in presence of mechanical impact: Not available.

Explosion Hazards

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.

and Instructions

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2-Hydroxy-3-methyl-2-cyclopentenone

Section 6. Accidental Release Measures

Spill Cleanup In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and excercise caution. Use a

shovel to put material into a convenient waste disposal container. Finish cleaning the spill by rinsing any contaminated

Instructions

surfaces with copious amounts of water. Consult federal, state and/or local authorities for assistance on disposal.

Section 7. Handling and Storage

Handling and Storage Keep away from heat. Mechanical exhaust required. When not in use, tightly seal the container and store in a dry, cool

place. Avoid excessive heat and light. Do not breathe dust.

Information

Always store away from incompatible compounds such as oxidizing agents.

Section 8. Exposure Controls/Personal Protection

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended

Engineering Controls

exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants

below the exposure limit.

Splash goggles. Lab coat. Dust respirator. Boots. Gloves. Be sure to use a MSHA/NIOSH approved respirator or

Personal Protection

equivalent. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits Not available.

Section 9. Physical and Chemical Properties

Off-white crystalline powder. Solubility

Physical state @ 20°C Soluble in methanol

Not available.

Specific Gravity

112.13

Molecular Weight Partition Coefficient Not available.

Boiling Point Not available. Vapor Pressure Not applicable.

107°C (224.6°F) Not available.

Melting Point Vapor Density

Not available. Volatility Not available.

Refractive Index

Not available.

Critical Temperature Not available. Odor

Viscosity Not available. Taste Not available.

Section 10. Stability and Reactivity Data

Stability

This material is stable if stored under proper conditions. (See Section VII for instructions)

Conditions of Instability Avoid excessive heat and light.

Incompatibilities

Reactive with strong oxidizing agents.

Section 11. Toxicological Information

GY729800

RTECS Number

Routes of Exposure Eye Contact. Ingestion. inhalation.

Guinea Pig LD50 (oral) 1400 mg/kg

Toxicity Data

Chronic Toxic Effects CARCINOGENIC EFFECTS : Not available.

MUTAGENIC EFFECTS : Not available.

TERATOGENIC EFFECTS : Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

Acute Toxic Effects No specific information is available in our data base regarding the toxic effects of this material for humans. However,

exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if

inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this

compound.

Section 12. Ecological Information

Not available.

Ecotoxicity

Not available.

Environmental Fate

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Section 13. Disposal Considerations

Waste Disposal Recycle to process, if possible. Consult your local regional authorities. You may be able to dissove or mix material with a

combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all

federal, state and locl regulations when disposing of the substance.

Section 14. Transport Information

Not a DOT controlled material (United States).

DOT Classification

PIN Number Not applicable.

Proper Shipping Name Not applicable.

Packing Group (PG) Not applicable.

DOT Pictograms

Section 15. Other Regulatory Information and Pictograms

TSCA Chemical Inventory This compound is ON the EPA Toxic Substances Control Act (TSCA) inventory list.

(EPA)

WHMIS Classification (Canada)	Not available
EINECS Number (EEC)	201-303-2
EEC Risk Statements	Not available.

SECTION 16 - ADDITIONAL INFORMATION

N/A