

DL-4-Hydroxy-2-ketoglutarate disodium salt: sc-211362



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 – General Information

Chemical Name:

DL-4-Hydroxy-2-ketoglutarate disodium salt

Catalog Number:

sc-211362

CAS Number:

1187-99-1

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 – Hazardous Ingredients/Identity Information

Potential health effects are not known therefore handle with care.

Inhalation, dermal and eye exposure hazards are not known. May be harmful if swallowed.

Section 3 – Physical/Chemical Characteristics

Molecular Formula: C₅H₆O₆ • 2Na

Molecular Weight: 162.10 (free salt)

Appearance: powder

Boiling Point: No data available

Ignition temperature: No data available

Solubility in Water: Freely soluble in water

Section 4 – Stability and Reactivity Data

Stability: Stable under recommended conditions.

Materials to Avoid: Strong acid and strong bases, strong oxidizing agents

Conditions to Avoid: Strong acid and strong bases, strong oxidizing agents

Hazardous Decomposition or By products: Not applicable.

Section 5 – Control Measures

Respiratory Protection: NIOSH/MSHA approved respirator or ventilation in fume hood.

Hand Protection: Chemical resistant gloves.

Eye Protection: Safety goggles.

Other Protective Clothing: Lab coat or apron.

Section 6 – First Aid Measures

Inhalation: Remove to fresh air. If symptoms develop consult physician.

Skin: In case of contact, wash with soap and copious amounts of water. If symptoms develop consult physician.

Ingestion: Wash out mouth with water provided person is conscious. Call a physician immediately.

Eyes: In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes. If symptoms develop consult

Section 7 – Health Hazard Data

Target Organs:

Not known

Health Effects:

Adverse health effects have not been thoroughly investigated.

Section 8 – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

Wear appropriate chemical resistant apparel. Avoid raising dust during clean-up. Ventilate area & wash spill site after pick-up is complete. Place waste in a bag & hold for disposal.

Waste Disposal Method:

Burn in a Chemical Incinerator equipped with an Afterburner & Scrubber. Observe all Federal, State & Local Laws when disposing of any waste.

Precautions to Be Taken in Handling and Storage:

Store at -20° C. Avoid contact & inhalation. Keep tightly closed. Restrict handling by unqualified personnel.

Section 9 – Fire and Explosion Hazard Data

Extinguishing Media:

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures:

Wear self contained breathing apparatus and protective clothing to prevent contact with skins and eyes.

Section 10 – Transportation Information and regulatory information

DOT

Not dangerous goods

Proper Shipping Name: Environmentally hazardous substance.

IMDG and IATA

Not dangerous goods.

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.

02/10/2011