

1-Methyl-5-oxopyrrolidine-3-carboxylic acid: sc-258812



The Power to Question

MATERIAL SAFETY DATA SHEET

1. Product Information

Product Name: 1-Methyl-5-oxopyrrolidine-3-carboxylic acid

Product Number: sc-258812

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

2. Composition/Information on Ingredients

CAS Registry #: 42346-68-9

Chemical Formula: C₆H₉NO₃

Molecular Weight: 143.14

3. Hazards Identification

Indication of danger:



Signal word: Warning / Xn

R-phrases(s):

R20/21/22 Harmful: danger of serious damage to health through inhalation, in contact with skin and if swallowed

Hazard statement:

H302 Harmful if swallowed
H332 Harmful if inhaled
H312 Harmful in contact with skin

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P262 Do not get in eyes, on skin, or on clothing
P403-233 Store in a well ventilated place. Keep container tightly closed
P202 Do not handle until all safety precautions have been read and understood
P270 Do not eat, drink or smoke when using this product
S24/25 Avoid contact with skin and eyes
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
S41 In case of fire and/or explosion do not breathe fumes
S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
S37/9 Keep container tightly closed in a cool, well-ventilated place

Special note: N/A

4. First Aid Measures

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

Skin contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Eye contact: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5. Fire Fighting Measures

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

Specific hazards: May emit toxic fumes under fire conditions.

Specific methods: Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place.

In case of fire in the surroundings: remove movable containers if safe to do so.

Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

Personal precaution procedures to be followed in case of leak or spill: Evacuate area.

Procedure(s) of personal precaution(s): Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

Methods for cleaning up: Wipe dry, place a rag in a bag and hold for waste disposal. Avoid fumes inhaling. Ventilate area and wash spill site after material pickup is complete.

7. Handling and Storage

Handling: Handling is performed in a well ventilated place. Wear suitable protective equipment. Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Wash hands and face thoroughly after handling.

Storage: Keep container tightly closed. Avoid overheating. Store in a dark place at room temperature.

Special requirements: N/A

8. Exposure Controls / Personal Protection

Engineering controls: Install a closed system or local exhaust as possible so that workers should not be exposed directly. Install safety shower and eye bath.

General hygiene measures: Wash hands thoroughly after handling.

Personal protective equipment

Respiratory Protection: Government approved respirator.

Hand Protection: Compatible chemical-resistant gloves.

Eye Protection: Chemical safety goggles.

Skin and body protection: Protective clothing. Protective boots, if the situation requires.

9. Physical and Chemical Properties

Form	Solid	pH	N/A
MP/MP Range (°C)	N/A	Flash Point	N/A
Flammability	N/A	Autoignition Temp	N/A
Oxidizing Properties	N/A	Explosive Properties	N/A
Explosion Limits	N/A	Vapor Pressure	N/A
SG/Density	N/A	Partition Coefficient	N/A
Viscosity	N/A	Vapor Density	N/A
Saturated Vapor Conc.	N/A	Evaporation Rate	N/A
Decomposition Temp.	N/A	Water Content, %	N/A
Surface Tension	N/A	Conductivity	N/A
Solubility	N/A		

10. Stability and Reactivity

Stability: Stable under specified storage temperature.

Materials to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides

Hazardous Polymerization: Will not occur

11. Toxicological Information

Toxicological properties were not fully evaluated.

12. Ecological Information

N/A

13. Disposal Considerations

Substance disposal:

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Observe all federal, state, and local environmental regulations.

14. Transport Information

Non-hazardous for air and ground transportation. Use appropriate safety measures.

15. Regulatory Information

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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.

9/5/2012