

N-Methyl Mesoporphyrin IX: sc-396879



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: N-Methyl Mesoporphyrin IX

Product Number: sc-396879

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

Formula: C₃₅H₄₀N₄O₄

Molecular Weight: 580.72

CAS Number: 142234-85-3

TLV/PEL: no data available

3. HAZARDS IDENTIFICATION

Irritating to the eyes and skin on contact. Inhalation may cause irritation of the lungs and respiratory system. Irritation of the eye is characterized by redness, watering, and itching. Skin irritation is characterized by itching, swelling, reddening, or blistering. The toxicological properties of this material have not been investigated. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

4. FIRST AID MEASURES

If inhaled

Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

In case of skin contact

Get medical aid. Flush skin with soap and water - at least 15 minutes and remove contaminated clothing and shoes.

In case of eye contact

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. DO NOT use an eye ointment. Get medical aid immediately.

If swallowed

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

5. FIREFIGHTING MEASURES

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Fire fighting media

Small fire Use DRY chemicals, CO₂, water spray, or foam.

Large fire Use water spray, fog, or foam. DO NOT use water jet.

6. ACCIDENTAL RELEASE MEASURES

In case of spill or leak, always shut off any sources of ignition, ventilate the area if dust is present in the air, and exercise caution. Use a brush and pan to put the material into a convenient waste disposal container. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water and detergent such as 409 ©. Use proper personal protective equipment as indicated in Section 8.

7. HANDLING AND STORAGE

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Store in a cool, dry place. Keep away from sources of heat and ignition. Avoid excessive heat and light. Keep container closed when not in use. Store at room temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls

Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Personal protection

Work in an approved fume hood. Use splash goggles, gloves, and lab coat. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Exposure limits

no data available

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	solid	Melting point/freezing point	no data available
Boiling point	no data available	Flash point	no data available
Auto-ignition temperature	no data available	Flammability	no data available
Flammable limits	no data available	Density	no data available
Solubility	aqueous base or strong acid	Odor	none

10. STABILITY AND REACTIVITY

Stability

This material is stable if stored under proper conditions. (See section 7).

Conditions to avoid

Excessive heat and light, incompatible materials, oxidants, acids.

Incompatibles

Strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

The toxicological properties of this material have not been fully investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

RTECS: Not available

Toxicology

no data available

Routes of exposure

Ingestion, inhalation.

Carcinogenic effects

no data available

Mutagenic effects

no data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

no data available

Environmental fate

no data available

13. DISPOSAL CONSIDERATIONS

Waste disposal

You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT classification: None

UN/ID number: None

Proper shipping name: None

Packing group: None

15. REGULATORY INFORMATION

This material IS NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list:

1) This product is supplied solely for use in research and development by or under the supervision of technically qualified individuals as defined in 40 CFR 720.0.

2) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS sheet.

WHMIS Classification

D-2B: Material causing other toxic effects (TOXIC)

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.

7/10/2014