

O-Methylsterigmatocystin: sc-202254



MATERIAL SAFETY DATA SHEET

The Power to Question

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: O-Methylsterigmatocystin

Product Number: sc-202254

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. Composition/Information on Ingredient

Synonyms: 7H-Furo(3',2':4,5)furo(2,3-c)xanthen-7-one; 3a,12c -dihydro-6,8-dimethoxy-; (3aR-cis)- * O-Methylsterigmatocystin * Sterigmatocystin; O-methyl- (6Cl)

Molecular Weight: 338.3

Formula: C₁₉H₁₄O₆

CAS: 17878-69-2

SARA 313: No

RTECS Number: LV1742000

Section 3. Hazards Identification

EMERGENCY OVERVIEW

Toxic: May cause cancer. Toxic by inhalation, in contact with skin and if swallowed.

Target organ(s): Liver. For additional information on toxicity, please refer to Section 11.

Section 4. First Aid Measures

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

INHALATION EXPOSURE: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE: 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 EXPOSURE: 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.

Section 5. Fire Fighting Measures

FLASH POINT: N/A

AUTOIGNITION TEMP: N/A

FLAMMABILITY: N/A

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6. Accidental Release Measures

PROCEDURE 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

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7. Handling and Storage

Storage: Store at -20°C

Section 8. Exposure Controls / PPE

ENGINEERING CONTROLS

Use only in a chemical fume hood.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

Section 9. Physical/Chemical Properties

Appearance	Solid	Solubility	N/A
pH	N/A	BP/BP Range	N/A
MP/MP Range	N/A	Freezing Point	N/A
Vapor Pressure	N/A	Vapor Density	N/A
Bulk Density	N/A	Odor Threshold	N/A
Volatile%	N/A	VOC Content	N/A
Water Content	N/A	Solvent Content	N/A
Evaporation Rate	N/A	Viscosity	N/A
Surface Tension	N/A	Partition Coefficient	N/A
Decomposition Temp.	N/A	Flash Point	N/A
Explosion Limits	N/A	Flammability	N/A
Autoignition Temp	N/A	Refractive Index	N/A
Optical Rotation	N/A	Miscellaneous Data	N/A
Property Value	At Temp. or Pressure		

Section 10. Stability and Reactivity

STABILITY

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

Section 11. Toxicological Information

ROUTE OF EXPOSURE

Multiple Routes: May cause irritation. Harmful if swallowed, inhaled, or absorbed through skin.

TARGET ORGAN(S) OR SYSTEM(S)

Liver.

CONDITIONS AGGRAVATED BY EXPOSURE

The toxicological properties have not been thoroughly investigated.

CHRONIC EXPOSURE – CARCINOGEN

Result: Carcinogen.

CHRONIC EXPOSURE – MUTAGEN

Species: Rat

Dose: 1 UMOL/L

Cell Type: Liver

Mutation test: Unscheduled DNA synthesis

Species: Monkey

Dose: 2 MG/L

Cell Type: Kidney

Mutation test: DNA inhibition

Species: Monkey

Dose: 2 MG/L

Cell Type: Kidney

Mutation test: Other mutation test systems

Section 12. Ecological Information

No data available.

Section 13. Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

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.

Section 14. Transport Information

DOT

Proper Shipping Name: Toxic solids, organic, n.o.s.

Class: 6.1

Hazard Label: Toxic substances.

UN#: 2811

Packing Group: Packing Group III

PIH: Not PIH

IATA

Proper Shipping Name: Toxic solid, organic, n.o.s.

Hazard Class: 6.1

IATA UN Number: 2811

Packing Group: III

Section 15. Regulatory Information

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: T

Indication of Danger: Toxic.

R: 45–23/24/25

Risk Statements: May cause cancer. Toxic by inhalation, in contact with skin and if swallowed.

S: 53–22–36/37/39–45

Safety Statements: Avoid exposure – obtain special instructions before use. Do not breathe dust. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

US CLASSIFICATION AND LABEL TEXT

Indication of Danger: Toxic.

Risk Statements: May cause cancer. Toxic by inhalation, in contact with skin and if swallowed.

Safety Statements: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wear suitable protective clothing, gloves, and eye/face protection. Do not breathe dust.

US Statements: **Target organ(s):** Liver.

UNITED STATES REGULATORY INFORMATION

SARA LISTED: No

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No **NDSL:** No

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.

4/6/2012