

Ascomycin: sc-207303



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

Product Name: Ascomycin
Catalog number: sc-207303
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/DATA ON COMPONENTS:

Chemical Name: Ascomycin
Synonyms: Immunomycin, FK-520, FR-520, NSC-106410, FR 900520, L 683590
Haz. Ingredient: Ascomycin
CAS Number: 104987-12-4
Mol. Weight: 792.01
Mol. Formula: C₄₃H₆₉NO₁₂

3. HAZARDS IDENTIFICATION:

Hazard Description:
Harmful; immunosuppressant
May be harmful if swallowed, inhaled, or in contact with the skin and eyes
May cause skin irritation and allergic skin reaction

4. FIRST AID MEASURES:

After Inhalation: If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration
After skin contact: flush with copious amounts of water; remove contaminated clothing and shoes; call a physician
After eye contact: check for and remove contact lenses; flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician
After swallowing: if swallowed, wash out mouth with copious amounts of water; call a physician

5. FIRE FIGHTING MEASURES:

Suitable extinguishing agents: water spray, carbon dioxide, dry chemical powder, or foam
Protective equipment: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual fire hazard: may emit toxic fumes under fire conditions such as carbon monoxide, etc.

6. ACCIDENTAL RELEASE MEASURES:

Person-related safety precautions: cordon off area of spill; wear self-contained breathing apparatus, protective clothing and heavy rubber gloves
Measures for cleaning/collecting: absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); decontaminate surfaces and equipment by scrubbing with alcohol; dispose of contaminated material according to Section 13

7. HANDLING AND STORAGE:

Information for safe handling: avoid contact with skin, eyes, and clothing; material may be an irritant

Storage: store solid and solutions at -20 °C

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Personal protective equipment as follows:

Breathing equipment: NIOSH/MSHA-approved respirator

Protection of hands: chemical-resistant rubber gloves

Eye protection: chemical safety goggles

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form: powder

Melting point/Melting range: 156.5–159.5° C

Danger of explosion: none

Solubility in/Miscibility

with water: very poorly soluble in water; maximum solubility in plain water is estimated to be about 10–50 µM; buffers, serum, or other additives may increase or decrease the aqueous solubility

Solvent content: none

Organic solvents: soluble in DMSO at 65 mg/mL; soluble in ethanol at 50 mg/mL with warming

10. STABILITY AND REACTIVITY:

Stability: stable if stored as directed; avoid strong oxidizing agents

Thermal decomposition / conditions to be avoided: protect from light and heat

Dangerous products of decomposition: thermal decomposition may produce toxic gases such as carbon monoxide, carbon dioxide, and nitrogen oxides

11. TOXICOLOGICAL INFORMATION:

RTECS No: CI7570000, KD4185000

Acute toxicity: intraperitoneal lethal dose: >100 mg/kg (mouse)

Primary irritant effect:

On the skin: may cause irritation

On the eye: may cause irritation

Inhalation: harmful if inhaled; may cause respiratory tract irritation

Ingestion: harmful if swallowed

12. ECOLOGICAL INFORMATION:

General notes: no data available

13. DISPOSAL CONSIDERATION:

Dispose of in accordance with prevailing country, federal, state and local regulations

14. TRANSPORT INFORMATION:

DOT:

Proper shipping name: none

Non-Hazardous for transport: this substance is considered to be non-hazardous for transport

IATA class:

Proper shipping name: none

Non-Hazardous for transport: this substance is considered to be non-hazardous for transport

15. REGULATIONS:

Code letter and hazard designation of product:

Xn: Harmful

EU Risk And Safety phrases:

S22: Do not breathe dust

S24/25: Avoid contact with skin and eyes

S28: After contact with skin, wash immediately with plenty of water

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed

R36/37/38: Irritating to eyes, respiratory system and skin

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.

12/27/2010