



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Monensin A: sc-362032



MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL IDENTIFICATION

PRODUCT NAME: Monensin A
CATALOG NBR: sc-362032
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. HAZARDS IDENTIFICATION

Hazard Classification: Hazardous substance, non-dangerous goods

Risk Phrase (Hazard Statements):

R28 Very toxic if swallowed

Safety Phrases (Precautionary Statements)

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

S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label

Hazard Symbols

Signal Words Very Toxic



SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms: Monensic acid, Lilly 67314, Antibiotic A 3223A.

Formula: C₃₆H₆₂O₁₁

Molecular weight: 670.87

<i>CAS-No.</i>	<i>EC-No.</i>	<i>Index-No.</i>	<i>RTECS No.</i>
Monensin A 17090-79-8	-	-	JH2829500

SECTION 4. FIRST AID MEASURES

General advice

As a precaution, remove contaminated clothing and shoes following exposure. If discomfort, skin or eye irritation or breathing difficulty develop, seek medical attention.

Inhalation: If breathed in, move person into well ventilated area and seek medical attention.

Skin contact: Wash contaminated skin and hair with soap and water and rinse with water for at least 15 minutes. Remove contaminated clothing and shoes. If discomfort or irritation develop, seek medical attention.

Eye contact: Flush eyes continuously with water whilst holding the eyelids apart. If discomfort or irritation develop, seek medical attention.

Ingestion: Check for and remove dentures. Clear mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Seek medical attention immediately.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability

No available data

Flash Point

No available data

Combustion Products

No available data

Extinguishing Media: Select fire fighting media appropriate to the other materials involved in the fire.

Special Firefighting Procedures: Material may be flammable at high temperatures. It is recommended that fire fighters should wear protective gear and self-contained breathing apparatus to limit personal exposure.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing dust, vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Take measures to limit release into the environment.

Methods and materials for containment and cleaning up

Contain spillage. Wear appropriate protective gear as outlined under "Protective Equipment". Sweep up spill and dispose of all contaminated materials safely. Wash spill site with water until all material has been removed.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Wash thoroughly after handling the material. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage

Storage temperature: -20 °C. Store at the indicated temperature in a tightly closed container.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards

No data available

Biological Limit Values

No data available

Engineering Controls

Not applicable

Personal Protective Equipment

During routine use, wear suitable protective clothing; laboratory coat, gloves and safety glasses. Use type N95 (US) or type P1 (EN 143) dust masks to avoid breathing in dust.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid

Melting Point: No data available

Solubility: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

SECTION 10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

No data available

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

No data available

Hazardous reactions

No data available

Hazard symbols

T - Toxic

SECTION 11. TOXICOLOGICAL INFORMATION**Acute and chronic health effects**

Oral LD50 : 100 mg/kg (rat); 2 mg/kg (horse/donkey); 12 mg/kg (domestic mammal)

Inhalation LD50 : No data available

Dermal LD50 : No data available

Other toxicity: Not toxic by inhalation in rats (10mg/M³ for 1hr/D for 14D) or dogs (0.15mg/M³ for 6hr/D for 90D); TDL0 300 mg/kg/2D intermittent (chicken, oral)

Skin corrosion / irritation

Mild irritant in the standard Draize test (rabbit) at 100 mg/24hr

Serious eye damage / eye irritation

Mild to moderate irritant in the rabbit

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

Not identified as a germ cell mutagen

Carcinogenicity

Not identified as a carcinogen

Reproductive toxicity

Not toxic to reproduction.

Teratogenicity

Not identified as a teratogen

Specific target organ toxicity

Single exposure: (globally harmonized system): Behavioral (tremor, convulsions); nutritional and gross metabolic (weight loss); gastrointestinal (hypermotility)

Repeated exposure: (globally harmonized system): Cardiac (cardiomyopathy including infarction); biochemical
Aspiration hazard No data available

Potential health effects

Inhalation May be harmful if inhaled.

Ingestion Very toxic if swallowed.

Skin Causes skin irritation.

Eyes Causes eye irritation.

Signs and symptoms of exposure

Monensin is marketed as Rumensin® for treatment of coccidiosis in cattle. Refer to current approved product information.

Synergistic effects

No data available

Additional information

RTECS No.: JH2829500

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

Toxic to aquatic organisms. Do not contaminate, dams, rivers, stream or other waterways with the chemical or its container.

Aquatic toxicity

Toxicity to fish

Toxicity to daphnia and other aquatic invertebrates

Toxicity to algae

Mild toxicity in fish species

Minimal toxicity in invertebrates

No data available

Persistence and degradability

No data available

Mobility in soil

No data available

PBT and vPvB assessment

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Product**

Dispose as for toxic waste.

Packaging

Dispose of as for unused product

SECTION 14. TRANSPORT INFORMATION**IMDG**

Not dangerous goods

IATA

Not dangerous goods

ADR/RID

Not dangerous goods

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION**Labeling according to EC directives**

Hazard Symbols: T - Toxic

R-Phrases

R28 Very toxic if swallowed

S-Phrases

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

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

SUSDP (Australia only)

Schedule 4 - Prescription Only Medicine

Chemical safety assessment

Not carried out

SECTION 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.

8/15/2012