

MATERIAL SAFETY DATA SHEET

Company Details

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1.Product and Company Identification:

<u>Trade / Commercial Name</u>	ECOX 200MG		
<u>Chemical Name</u>	streptozotocin Cinnamomensis		
<u>Formula</u>	Monensin Sodium		
<u>Chemical Family</u>			
<u>Synonyms</u>			
<u>Un No</u>	1851	<u>Hazchem Code</u>	2we
<u>ERG No.</u>	151	<u>EAC</u>	11

2.Hazards Identification:

Toxic if not used or handled according to package insert instructions

Severe poisoning, perhaps fatal: by absorption through skin, by inhalation, by ingestion.
Decomposition in a fire: production of toxic fumes. The effect of inhalation may be delayed.

3.Composition:

Hazardous Components streptozotocin

4.First Aid Measures

<u>First Aid Skin</u>	Remove & isolate contaminated clothing and shoes. For minor skin contact, avoid spreading material on unaffected skin. Flush body with plenty of water for at least 20 minutes. Keep warm and quiet.
<u>First Aid Eyes</u>	Flush eyes with water for 20 minutes. Hold eyelids open while washing.
<u>First Aid Ingested</u>	Seek medical treatment.
<u>First Aid Inhalation</u>	Move victim to fresh air. If not breathing give artificial respiration. Do not use mouth-to-mouth, if victim has inhaled or ingested the substance; induce artificial respiration with the aid of a pocket mask with a one-way valve. If breathing of victim is difficult administer oxygen. Effects of exposure may be delayed.

5.Fire Fighting Measures

Small Fires: Dry chemical, CO₂ or water spray.
Large Fires: Water spray, fog or regular foam. Move containers from fire area if you can do it without risk.
Dike fire control water for later disposal; do not scatter the material. Do not use straight streams.
Fire involving Tanks or Bulk Containers: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
Do not get water inside containers. ALWAYS stay away from the ends of tanks.
Cool containers with flooding quantities of water until well after fire is out.
Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.
Isolate spill or leak area immediately for at least 25 to 50 metres (80 to 160 feet) in all directions.
Keep unauthorized personnel away. Stay upwind. Keep out of low areas.
Wear positive pressure self-contained breathing apparatus (SCBA).
Wear chemical protective clothing which is specifically recommended by the manufacturer.
Structural firefighters' protective clothing is recommended for fire situations ONLY; it is not effective in spill situations.
If ROAD OR RAIL TANKER is involved in a fire, ISOLATE for 800 metres (1/2 mile) in all directions;

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also, consider initial evacuation for 800 metres (1/2 mile) in all directions.

6. Accidental Release Measures

PRECAUTIONS:

Restrict access to area.

Provide adequate protective equipment and ventilation.

Remove sources of heat and flame.

Notify occupational and environmental authorities

SPILL OR LEAK:

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Stop leak if you can do it without risk.

Prevent entry into waterways, sewers, basements or confined areas.

Cover with plastic sheet to prevent spreading.

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

DO NOT GET WATER INSIDE CONTAINERS.

7. Handling And Storage

Separation of at least 3M from the following classes is recommended.

Corrosives

Fire separation of at least 5M or 4Hr fire resistant wall

from the following classes is recommended.

Flammable Gases

Flammable Liquids

Flammable Solids

Spontaneously Combustibles

Dangerous When Wet

Oxidizing Agents

Storage in the same room or space is prohibited with the following classes:

The rooms or spaces should be at least 10M apart.

Explosives

Organic Peroxides

8. Exposure Controls/Personal Protection

Occupational Exposure Limits

No Exposure Limits Established

Controls

The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure.

The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release.

Use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems. Exhaust directly to the outside.

Supply sufficient replacement air to make up for air removed.

Have a safety shower/eye wash fountain readily available in the immediate work area

Personal Protection

If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment, including chemical safety goggles & face shield, boots, impermeous gloves, coveralls, & respiratory protection.

Have appropriate equipment available for use in emergencies.

9. Physical & Chemical Properties

Granule or in pellet formulation , grey / brown in colour , micro granule

10. Stability And Reactivity

Conditions to Avoid

Stable.

Incompatible Materials

None.

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Other None.

11. Toxicological Information

Highly toxic, may be fatal if inhaled, swallowed or absorbed through skin.
Effects of contact or inhalation may be delayed.

LD50 mouse (oral): 37-48mg/Kg
LD50 rat (oral): 35mg/ Kg
LD50 poultry (oral): 280mg/ Kg

12. Ecological Information

The substance is toxic to aquatic organisms.

It is strongly advised that this substance does not enter the environment.

Pharmaceutical Warnings:

Store below 25 C
Keep container securely closed after use

General Precautions:

For Animal treatment only
Keep out of reach of children
Accurate measuring and dosage is essential

13. Disposal Considerations

Disposal Method Product There are no uniform EC regulations for the disposal of chemicals or residues.
Chemical residues generally count as special waste.
The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations.
We recommend that you contact the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Disposal Method Packaging Disposal in accordance with local legal provisions.

14. Transport Information

<u>UN No</u>	1851	<u>Hazchem Code</u>	2we
<u>ERG No.</u>	151	<u>EAC</u>	11
<u>IMDG-Shipping Name</u>	MEDICINE, SOLID, TOXIC, N.O.S.		
<u>IMDG Code</u>	6.1	<u>IMDG-Packaging Group</u>	II/III
<u>Marine Pollutant</u>	Yes		
<u>Class</u>	Class: 6.1 Poison Group: II/III		
<u>Subsidiary Risks</u>	None		

15. Regulatory Information

EEC Hazard Classification 6.1

Risk Phrases R24 Toxic in contact with skin.
R25 Toxic if swallowed.
R50 Very toxic to aquatic organisms.
R53 May cause long-term adverse effects in the aquatic environment.

Safety Phrases S20 When using, do not eat or drink.



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- S37 Wear suitable gloves.
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)
- S60 This material and its container must be disposed of as hazardous waste.
- S61 Avoid release to the environment. Refer to special instructions / safety data sheets.

National Legislation

16. Other Information

Reason for Alteration: General update.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properness of the product.

Disclaimer:

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