

Coxidin® 90

SAFETY DATA SHEET

Revised: September 2024

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SECTION 1: IDENTIFICATION

1.1. Product Identifier:

Material name: Monensin, monosodium salt
Trade name: Coxidin® 90
Product number: SICX-00075

1.2. Manufacturer/Supplier:

Huvepharma, Inc.
 525 Westpark Drive, Suite 230
 Peachtree City, GA 30269

Telephone: 1-770-486-7212
 Emergency telephone: 1-877-994-4883
 Contact e-mail: customerservice@huvepharma.us

1.3. Relevant identified uses and any restrictions:

Intended use: Veterinary pharmaceutical.
Restrictions on use: For animal use only. Not for human use.

SECTION 2: HAZARD(S) IDENTIFICATION

2.1. Physical hazards Not classified.

Health hazards	Acute toxicity, oral	Category 4
	Serious eye damage/eye irritation	Category 1
	Sensitization, respiratory	Category 1
	Specific target organ toxicity, repeated exposure	Category 2

OSHA defined hazards Combustible dust.

Label elements



2.2. Signal word: Danger

Hazard statement May form combustible dust concentrations in air.
 Harmful if swallowed.

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- H302 Harmful if swallowed.
- H318 Causes serious eye damage.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H373 May cause damage to organs (Heart, Muscles) through prolonged or repeated exposure.

2.4. Precautionary statement(s):

Prevention

- P260 Do not breathe dust.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P284 In case of inadequate ventilation wear respiratory protection.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P304 + P340 If INHALED: Remove person to fresh air and keep comfortable for breathing.
- P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
- P301 + P310 If SWALLOWED: Immediately call a POISON CENTER/doctor.
- P330 Rinse mouth.
- P305 + P351 + P338 If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER or doctor/physician.

Storage Not available.

Disposal

P501 Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

2.5. Hazards not otherwise classified: None known.

Supplemental Information None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	%
Monensin sodium	22373-78-0	20%
Mineral Oil	8012-95-1	1-3%
Diluent*	N/A	77-79%

*Diluent may include limestone, rice hulls, and/or other roughage products.

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SECTION 4: FIRST-AID MEASURES

4.1. First aid measures:

- **Eye contact:** Remove contact lens and rinse immediately with a steady, gentle stream of water, also under eyelids, for 15 minutes. Immediate rinsing may prevent permanent damage. See an ophthalmologist (eye doctor) or other physician immediately.
- **Skin contact:** Remove contaminated clothing and clean before reuse. Wash all exposed areas of skin with plenty of soap and water for 15 minutes. Get medical attention if irritation develops and persists.
- **Ingestion:** If conscious, give the victim plenty of water to drink. Do not give anything by mouth to an unconscious person. Immediately transport to a medical care facility and see a physician.
- **Inhalation:** Move individual to fresh air. Get medical attention if breathing difficulty occurs. If not breathing, provide artificial respiration assistance (mouth-to-mouth) and call a physician or poison control center immediately.

4.2. Most important symptoms and effects, both acute and delayed:

Symptoms and effects of exposure: Toxic, corrosive (eyes), irritant (skin, respiratory tract), suspect allergen, heart, muscle.

Medical conditions aggravated by exposure: Hypersensitivity to monensin sodium.

4.3. Recommended immediate medical attention and special treatment needed:

Treat symptomatically. In case of hypersensitivity to the substance, avoid direct contact.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media:

Use water, carbon dioxide, dry chemical foam.

Flash point: No applicable information found.

UEL: No applicable information found.

LEL: No applicable information found.

Minimum Ignition Temperature of Dust Layer: 381°C (717°F)

Unusual Fire and Explosion Hazards: Dust may form explosive mixture in air.

Hazardous Combustion Products: Hazardous decomposition products formed under fire.

5.2. Specific hazards arriving from the substance or mixture:

Dust may form explosive mixture in air. Hazardous decomposition products formed under fire conditions.

5.3. Advice for firefighters: Wear breathing apparatus and protective fire-fighting clothing.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions and protective equipment:** Wear protective equipment, including eye protection, to avoid exposure.
- 6.2. Emergency procedures:**
Wear protective equipment, including eye protection, to avoid exposure (see Section 8 for specific handling precautions).
- 6.3. Methods and materials for containment:**
Large spills due to traffic accidents, etc., should be reported immediately to Huvepharma for assistance. Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes.
- 6.4. Cleanup procedures:**
Vacuum material with appropriate dust collection filter in place. Be aware of the potential for dust explosion when using electrical equipment. If vacuum is not available, lightly mist material and remove by sweeping or wet wiping.

SECTION 7: HANDLING AND STORAGE

- 7.1. Precautions for safe handling:**
Handle with care. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. Keep away from heat and sources of ignition. Minimize dust generation and accumulation.
- 7.2. Conditions for safe storage, including any incompatibilities:**
Keep container tightly closed in a dry and well-ventilated place. Protect from moisture and heat.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1. Exposure controls:**
When mixing and handling, use protective clothing, impervious gloves, and dust respirator. Operators should wash thoroughly with soap and water after handling. If accidental eye contact occurs, immediately rinse thoroughly with plenty of water.
- 8.2. Engineering controls:**
Ventilation: Laboratory fume hood or local exhaust ventilation.

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8.3. Personal protective measures:

Under normal use and handling conditions, wear goggles to protect eyes and wear impermeable gloves and protective equipment to avoid direct contact with skin. Wash thoroughly with soap and water after handling.

- Respiratory: Use an approved respirator.
- Eyes: Chemical goggles and/or face shield.

8.4. Special requirements for PPE, protective clothing or respirators:

In a manufacturing setting, wear chemical-resistant gloves and body covering to minimize skin contact. If handled in a ventilated area, as in a laboratory setting, respirator and goggles or face shield may not be required. Safety glasses are always required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Physical and chemical properties:

- | | |
|---|----------------------------------|
| • Appearance: | Brown-dry, free flowing granules |
| • Upper/lower flammability or explosive limits: | No data available |
| • Odor: | Musty |
| • Vapor pressure: | No applicable information found. |
| • Odor threshold: | No data available |
| • Vapor density: | No applicable information found. |
| • pH: | No applicable information found. |
| • Relative density: | No data available |
| • Melting point/freezing point: | Not applicable |
| • Solubility(ies): | Insoluble |
| • Initial boiling point and boiling range: | Not applicable |
| • Flash point: | No data available. |
| • Evaporation rate: | No applicable information found. |
| • Flammability (solid, gas): | No data available |
| • Partition coefficient: n-octanol/water: | No data available. |
| • Auto-ignition temperature: | No data available |
| • Decomposition temperature: | No data available |
| • Viscosity: | No data available |
| • Specific gravity: | Not applicable |

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

May react with strong oxidizing agents (e.g. peroxides, permanganate, nitric acid, etc.).

10.2. Chemical stability:

Stable at normal conditions.

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10.3. Other:

- **Possibility of hazardous reactions:** None known.
- **Conditions to avoid:** None known.
- **Incompatible material:**
May react with strong oxidizing agents (e.g., peroxides, permanganates, nitric acid, etc.).
- **Hazardous decomposition products:**
Hazardous decomposition products formed under fire conditions.
- **Hazardous polymerization:**
Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects General Information:

The information included in this section describes the potential hazards of the active ingredient(s).

Routes of exposure:

Oral: LD50 (rat) >200 mg/kg, mortality (24% monensin sodium mixture)

Skin: LD50 (rabbit) >500 mg/kg, (24% monensin sodium mixture)

Inhalation: LD50 (rat) >370 mg/m³ (1 h), (24% monensin sodium mixture)

Skin Contact: Rabbit, slight irritant (24% monensin sodium mixture)

Eye Contact: Rabbit, corrosive, immediate rinsing may prevent permanent damage (24% monensin sodium mixture)

Delayed, immediate, or chronic effects from short- and long-term exposure:

Repeated Dose Toxicity: Heart effects (degenerative and reparative tissue changes, electrocardiogram changes, congestive heart failure), muscle effects (skeletal muscle changes, elevated blood enzymes of muscle origin).

Reproduction: Animal testing did not show any effects on fertility. Animal testing did not show any effects on fetal development.

Skin sensitization: Did not cause sensitization on laboratory animals.

Respiratory sensitization: Allergic reactions in a manufacturing setting have been reported. Grain dust may cause sensitization by inhalation.

Mutagenicity: Result in genetic toxicity assays (in vitro and in vivo): Negative.

Carcinogenicity: Animal testing did not show any carcinogenic effects.

Symptoms related to the physical, chemical and toxicological characteristics: None known.

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Carcinogen Status: None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Environmental overview:

No environmental data for the mixture or formulation. Environmental information for ingredient(s) or related material(s) are presented.

12.1. Toxicity

Toxicity to Fish:

Monensin Sodium

LC50/96 h/Oncorhynchus mykiss (rainbow trout): 9.0 mg/l

LC50/96 h/Lepomis macrochirus (bluegill sunfish): 16.6 mg/l

Toxicity to Algae:

Monensin Sodium

EC50/72 h/Selenastrum capricornutum: 4.33 mg/l (average specific growth rate)

NOEC/Selenastrum capricornutum: 0.055 mg/l (biomass)

Toxicity to Daphnia:

Monensin Sodium

EC50/48 h/Daphnia magna (Water flea): 10.7 mg/l

12.2. Persistence and degradability: No data available.

12.3. Bioaccumulation potential: No data available.

12.4. Mobility in soil: No data available.

12.5. Other adverse effects: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural wastewater and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

Container disposal: Packages may be burned or buried in accordance with environmental standards.

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SECTION 14: TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.

DOT regulations: Not regulated.

ICAO/IATA: Not regulated.

IMO: Not regulated.

SECTION 15: REGULATORY INFORMATION

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

This section is not a complete analysis or reference to all applicable regulatory information. Please consider all applicable laws and regulations for your country/state.

US Regulations – Monensin sodium

TSCA: No

DSL: The following components are not on the Canadian DSL nor NDSL lists: Diluent

SARA 302: Not on this list.

SARA 313: Not on this list

California Prop. 65: This product does not contain any chemicals known to the State of California to cause cancer, birth, or other reproductive defects.

SECTION 16: OTHER INFORMATION

Classification of the chemical:

Health: 3

Fire: 1

Reactivity: 0

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Huvepharma, Inc. believes that the information contained in this Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time.

End of Safety Data Sheet