



SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **Sacox 120**
 Product Use: For use as a premix in pig, poultry and cattle feed.
 For the prevention of coccidiosis caused by Eimeria acervulina, E. brunette, E. maxima, E. mivati, E. necatrix and E. tenella in broiler chickens and in replacement birds intended for use as caged layers.
 For enhancing productivity by increasing the rate of weight gain and improving feed efficiency of grower/finisher pigs.
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **AgriHealth NZ Limited**
 Address: Level 2, 89 Grafton Road, Auckland 1010

Telephone: +64 9 215 1199
Emergency No: 0800 764 766 (National Poisons Centre)

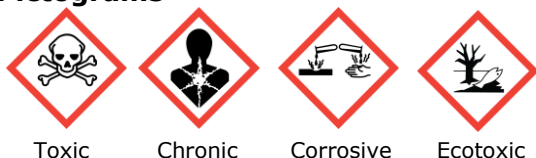
Date of SDS Preparation: 4 December 2024

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: HSR002191

Pictograms



Toxic

Chronic

Corrosive

Ecotoxic

Signal Word: **Danger**

| GHS Category | Hazard Code | Hazard Statement |
|---|-------------|---|
| Acute oral toxicity Cat. 3 | H301 | Toxic if swallowed |
| Skin irritation Cat. 2 | H315 | Causes skin irritation |
| Specific target organ toxicity – repeated exposure Cat. 2 | H373 | May cause damage to organs through prolonged or repeated exposure |
| Serious eye damage Cat. 1 | H318 | Causes serious eye damage |
| Hazardous to terrestrial vertebrates | H432 | Hazardous to terrestrial vertebrates |

| Prevention Code | Prevention Statement |
|-----------------|---|
| P102 | Keep out of reach of children |
| P103 | Read label before use |
| P260 | Do not breathe dust, fumes, gas, mist, vapours or spray |
| P264 | Wash hands thoroughly after handling |
| P270 | Do not eat, drink or smoke when using this product |
| P273 | Avoid release to the environment |
| P280 | Wear protective clothing as detailed in Section 8 |

| Response Code | Response Statement |
|------------------|---|
| P101 | If medical advice is needed, have product container or label at hand |
| P310 | Immediately call a POISON CENTER or doctor/physician |
| P314 | Get medical advice/attention if you feel unwell |
| P330 | Rinse mouth |
| P391 | Collect spillage |
| P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water |
| P305 + P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing |
| P332 + P313 | If skin irritation occurs: Get medical advice/ attention |
| P362 + P364 | Take off contaminated clothing and wash it before reuse |

| Storage Code | Storage Statement |
|--------------|-------------------|
| P405 | Store locked up |

| Disposal Code | Disposal Statement |
|---------------|--|
| P501 | Dispose of according to Local Regulations or Authorities |

Section 3. Composition / Information on Hazardous Ingredients

| Ingredients | Wt% | CAS NUMBER |
|--------------------|----------|------------|
| Salinomycin sodium | 120 g/kg | 55721-31-8 |
| Non-hazardous | To bal | |

Section 4. First Aid Measures

Routes of Exposure:

| | |
|--------------|---|
| If in Eyes | Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. |
| If on Skin | Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. |
| If Swallowed | Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting. Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. |
| If Inhaled | Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. |

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion: Diarrhoea, nausea, vomiting**Inhalation:** Coughing, shortness of breath, breathing difficulty**Skin:** Itchiness, irritation, redness**Eye:** Burning, lacrimation, Vision loss**Section 5. Fire Fighting Measures**

| | |
|---|---|
| Hazard Type | Non-Flammable |
| Hazards from combustion products | When heated to decomposition toxic fumes may be emitted |
| Suitable Extinguishing media | Water spray, dry powder, carbon dioxide, or foam |
| Precautions for firefighters and special protective clothing | Wear full protective clothing and self-contained breathing apparatus (SCBA) |
| HAZCHEM CODE | 2X |

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel.

Restrict access to contaminated area. Prevent further spillage, and prevent spilled material from flowing onto adjacent land or into waterways. Retrieve intact containers from site. Place damaged containers into containment devices. Carefully sweep the powder up and remove. Place material in a dry container and cover. Remove from the area. Flush spill area with water. Avoid contamination of water courses or sewers.

Dispose of waste according to the applicable local and national regulations.

Section 7. Handling and Storage**Precautions for Handling:**

- Read label before use
- Avoid breathing dust
- Wear protective gloves. Avoid contact with skin and eyes
- In case of inadequate ventilation wear respiratory protection
- Contaminated work clothing should not be allowed out of the workplace
- Wash hands and exposed skin before meals and after use
- Do not eat, drink or smoke while using

Precautions for Storage:

- Store away from incompatible materials listed in Section 10
- Store locked up
- Take precautionary measures against electrostatic discharging
- Avoid formation of dust
- Store in the original container, away from direct heat or direct sunlight and away from foodstuffs
- Keep out of reach of children

Section 8. Exposure Controls / Personal Protection**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

| Substance | TWA | | STEL | |
|-----------|-----|-------------------|------|-------------------|
| | ppm | mg/m ³ | ppm | mg/m ³ |

No ingredient has a known exposure standard.

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APR 2022 13TH EDITION.

Engineering Controls

Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust.

Personal Protection Equipment



| | |
|--------------------|--|
| Eyes | Safety glasses or goggles |
| Hands | Wear impervious gloves if skin contact is possible |
| Skin | Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas |
| Respiratory | Particle filter half mask, filter P1 |
| General | Do not eat, drink or smoke when using this product. Wash hands with soap and water before breaks and after work. Keep away from foodstuffs and beverages |

Section 9. Physical and Chemical Properties

| | |
|---|-----------------------|
| Appearance | Granules |
| Colour | Beige to brown |
| Odour | Not available |
| Odour Threshold | Not available |
| pH | 8 - 10 |
| Boiling Point | Not available |
| Melting Point | 140°C to 142°C |
| Freezing Point | Not available |
| Flash Point | Not available |
| Flammability | Not flammable |
| Upper and Lower Explosive Limits | Not available |
| Vapour Pressure | Not available |
| Vapour Density | Not available |
| Specific Gravity | 600 kg/m ³ |
| Solubility | < 0.1 g/L in water |
| Partition Coefficient: | < 1 |
| Auto-ignition Temperature | 150 - 480°C |
| Decomposition Temperature | Not available |
| Kinematic Viscosity | Not available |
| Particle Characteristics | Not available |

Section 10. Stability and Reactivity

| | |
|---|--|
| Stability of Substance | This product is stable under normal conditions |
| Possibility of hazardous reactions | Hazardous polymerisation does not occur |
| Conditions to Avoid | Avoid heat, light and moisture |
| Incompatible Materials | Strong oxidisers |
| Hazardous Decomposition Products | Not available |

Section 11. Toxicological Information**Acute Effects:**

| | |
|-------------------|---|
| Swallowed | Toxic if swallowed. LD ₅₀ = 140 mg/kg b.w. |
| Dermal | Not applicable. LD ₅₀ = > 2000 mg/kg |
| Inhalation | Not applicable. LC ₅₀ = >> 10911 mg/m ³ |
| Eye | Causes serious eye damage |
| Skin | Causes skin irritation |

Chronic Effects:

| | |
|-------------------------------|---|
| Carcinogenicity | Not applicable |
| Reproductive Toxicity | Not applicable |
| Germ Cell Mutagenicity | Not applicable |
| Aspiration | Not applicable |
| STOT/SE | Not applicable |
| STOT/RE | May cause damage to organs through prolonged or repeated exposure |

Individual component information:**Acute Toxicity:**

| Chemical Name | Oral – LD₅₀ | Dermal – LD₅₀ | Inhalation – LC₅₀ |
|----------------------|-------------------------------|---------------------------------|---|
| Salinomycin sodium | 21 mg/kg (rabbit) | > 2000 mg/kg | 286.6 mg/m ³ (female rat) |

Section 12. Ecotoxicological Information

Hazardous to terrestrial vertebrates

| | |
|--------------------------------------|--|
| Product: | |
| Persistence and degradability | Good degradability: 80 (log Pow value: <1) |
| Bioaccumulation | No data available |
| Mobility in Soil | No data available |
| Other adverse effects | No data available |

Toxicity tests with salinomycin in soil and water organisms:

| Test species | Test material | Results |
|---------------------------------|---|---|
| Earthworms (14-day test) | Sacox 120 microGranulate | LC ₅₀ (14d) 106mg/kg NOEC (lethality) 50 mg/kg NOEC (weight loss) 25 mg/kg |
| Soil nitrification | Salinomycin remix (0.2%) | No effect at 2 and 4 mg/kg salinomycin. Delay in nitrification at 8 mg/kg |
| Potatoes and sugar beet | Salinomycin mycelium | No effect on growth at salinomycin application rates of 2, 20 or 100 mg/m ² soil |
| <i>Daphnia magna</i> (24h test) | Salinomycin mycelium | EC ₅₀ 38.7 – 47.3 mg/L |
| Golden orfe (96h test) | Salinomycin sodium pure | LC ₅₀ (96h) 27.5 mg/L NOEC <20 mg/L |
| Golden orfe (96h test) | Salinomycin sodium pure (with acetone as a solubiliser) | LC ₅₀ (96h) 29.0 mg/L NOEC 10 mg/L |
| Algae (72h test) | Sacox 120 microGranulate | EC ₅₀ (growth) 2.19 mg/L EC ₅₀ (rate) 3.68 mg/L NOEC 0.79 mg/L |

Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:

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 waste water 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

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – Toxic, Corrosive, Ecotoxic" and that the label also has the appropriate pictograms from section 2, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: Avoid release to the environment.

Section 14. Transport Information

This product is classified as a Dangerous Good for transport in NZ; NZS 5433:2020



Road, Rail, Sea and Air Transport

| | |
|-----------------------------|---|
| UN No | 3249 |
| Class - Primary | 6 |
| Packing Group | III |
| Proper Shipping Name | MEDICINE, SOLID, TOXIC, N.O.S (Salinomycin Sodium) |
| Marine Pollutant | No |
| Special Provisions | If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG. |

Section 15. Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020
EPA Approval No: HSR002191

| HSW (HS) Regulations 2017 | Trigger Quantity |
|--|---|
| Certified Handler | Not required |
| Location Certificate | 1000 kg |
| Tracking Trigger Quantities (Schedule 26) | Not required |
| Signage Trigger Quantities (Schedule 3) | 1000 kg |
| Emergency Response Plan (Schedule 5) | 1000 L |
| Secondary Containment (Schedule 5) | Not required |
| Restriction of Use | Only use for the intended purpose. Restricted for use in workplaces. |
| ACVM Act and Regulations | |
| See www.foodsafety.govt.nz for registration conditions | A07640 |

Section 16. Other Information**Glossary**

| | |
|------------------|---|
| Cat | Category |
| EC ₅₀ | Median effective concentration. |
| EEL | Environmental Exposure Limit. |
| EPA | Environmental Protection Authority |
| HSNO | Hazardous Substances and New Organisms. |
| HSW | Health and Safety at Work. |
| LC ₅₀ | Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. |
| LD ₅₀ | Lethal dose to kill 50% of test animals/organisms. |
| LEL | Lower explosive level. |
| OSHA | American Occupational Safety and Health Administration. |
| TEL | Tolerable Exposure Limit. |
| TLV | Threshold Limit Value-an exposure limit set by responsible authority. |
| UEL | Upper Explosive Level |
| WES | Workplace Exposure Limit |

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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