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:	16 December 2025

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)

	TWA		STEL	
Substance	**ppm**	**mg/m³**	**ppm**	**mg/m³**

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 filer 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/m3
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 – LD_{50}	Dermal – LD_{50}	Inhalation – LC_{50}
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
Daphnia magna (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
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

This document has been prepared by AgriHealth NZ Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to AgriHealth NZ Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While AgriHealth NZ Ltd have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, AgriHealth NZ Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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

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