

Section 1 – Identification of the substance/preparation and the company

Product Name:	Gemini
Company:	Inovata Ltd.
Address:	16 Sheffield Crescent PO Box 20 449 Christchurch 0800 942 006
Telephone Number:	0800 942 006
Manufacturer Code:	AIGE
Recommended Use:	For the treatment and control of all major gastrointestinal parasites in sheep and cattle, including strains with single resistance to benzimidazole (BZ), levamisole (LEV) and avermectin/milbemycin (ML) action families or to combinations of ML+BZ, or BZ+LEV action families. Also provides supplementary source of cobalt and selenium.

Section 2 – Hazard Identification

GHS Classification:	Acute oral toxicity Category 4 Respiratory sensitisation Category 1 Skin sensitisation Category 1 Germ cell mutagenicity Category 2 Carcinogenicity Category 2 Reproductive toxicity Category 2 Effects on or via lactation Specific target organ toxicity – repeated exposure Category 2 Hazardous to the aquatic environment chronic Category 1 Hazardous to soil organisms Hazardous to terrestrial vertebrates Hazardous to terrestrial invertebrates
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GHS Pictograms:



Hazard Statements:	H302 Harmful if swallowed H317 May cause an allergic skin reaction H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H341 Suspected of causing genetic defects H351 Suspected of causing cancer H361 Suspected of damaging fertility or the unborn child H362 May cause harm to breast-fed children H373 May cause damage to blood system and heart through prolonged or repeated exposure H410 Very toxic to aquatic life with long lasting effects H423 Harmful to the soil environment H432 Hazardous to terrestrial vertebrates H442 Hazardous to terrestrial invertebrates
Prevention Statements:	P102 Keep out of reach of children. P103 Read label before use.

IN CASE OF EMERGENCY PHONE

National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)

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Prevention Statements: (Continued)	P201 P202 P260 P261 P263 P264 P270 P272 P273 P280 P281 P285	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection
Response Statements:	P101 P301 + P312 P330 P304 + P341 P342 + P311 P302 + P352 P333 + P313 P363 P308 + P313 P314 P391	If medical advice is needed, have product container or label at hand. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. Collect spillage.
Storage:	P405	Store locked up.
EPA NZ Approval Code:	HSR100758 Veterinary Medicines (Non-dispersive Closed System Application) Group Standard 2020	
Signal Word:	DANGER	

Section 3 – Composition Information

Chemical Entity	CAS No.	Content
Abamectin	71751-41-2	2 g/L
Levamisole hydrochloride	16595-80-5	80 g/L
Cobalt sulphate hepta	10026-24-1	2.5%
Sodium selenate	13410-01-0	<1%
Other non-hazardous ingredients		To 100%

Section 4 – First Aid Measures

If Swallowed: Call the POISON CENTER or contact a doctor/physician if you feel unwell. Do NOT induce vomiting.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Get medical advice/attention.

If on skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before use.

If inhaled: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, call a POISON CENTRE or doctor/physician.

If exposed or if you feel unwell: Call the POISON CENTER or contact a doctor/physician. If medical advice is needed, have product container or label at hand.

POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)

Section 5 – Fire-fighting Measures

Suitable Extinguishing Media: Alcohol resistant foam, dry chemical powder, carbon dioxide and water spray.

Unsuitable Extinguishing Media: No information available

Hazardous combustion products: Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride gas

Protective Equipment: Self-contained breathing apparatus and protective gloves and clothing

Flashpoint: Not available

Section 6 – Accidental Release Measures

Spills and Disposal: Avoid breathing mist/vapour. Use appropriate tools to put spilt material in a suitable chemical waste container. Clean contaminated surface thoroughly. Ensure adequate ventilation. Collect spillage.

Protective Equipment: Wear protective gloves and face/eye protection and protective clothing.

Environmental Precautions: Prevent washings from entering waterways. Do NOT flush into surface water or sanitary sewer system.

Section 7 – Handling and Storage

Technical precautions: Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Safe handling advice: Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Do NOT ingest.

Storage conditions: Keep container tightly closed in dry and well-ventilated areas. Store at 25°C, out of direct sunlight.

Incompatible Materials: No information available

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Section 8 – Exposure Controls/Personal Protection

These precautions are suggested for conditions where the potential for exposure to the product exists. Emergency conditions may require additional precautions.

Exposure Limits: N/A

Protective Equipment: Observe good workplace practices and avoid contact with skin and eyes. Wear overalls, safety glasses and waterproof gloves when handling. Wear eye / face protection. In case of inadequate ventilation, wear respiratory protection.

Hygiene Precautions: Do not eat, drink or smoke when using this product.

Engineering Controls: General exhaust is adequate under normal operating conditions.

Section 9 – Physical and Chemical Properties

Appearance: Pink viscous clear liquid

Odour: No information available

Specific Gravity: 1.0 - 1.2

pH: 4.1 – 4.9

Viscosity 200 - 5000mPa.s

Flash Point: No information available

Section 10 – Stability and Reactivity

Stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions to Avoid: No information available.

Materials to Avoid: No information available.

Hazardous Decomposition Products: Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride gas

Section 11 – Toxicological Information

No adverse health effects are expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Ingestion: Product is harmful if swallowed.

Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Dermal: May cause an allergic skin reaction.

Ocular: No information available.

Chronic Effects: Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to blood systems, heart from repeated oral exposures at high doses.

Mutagenic effects: Suspected of causing genetic defects.

Sensitisation: Contact sensitisier.

Section 12 - Ecological Information

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Ecotoxicity:	Product is very toxic to aquatic organisms with long lasting effects. It is harmful to the soil environment. It is toxic to terrestrial vertebrates and invertebrates.
Persistence and degradability:	The product includes heavy metals. Prevent release into the environment. Contains substances known to be hazardous to the environment or not degradable in wastewater treatment plants.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Other adverse effects:	No data available.

Section 13 – Disposal Considerations

Product and container Disposal:	Preferably dispose of product by use. Otherwise dispose of product, packaging and waste at an approved landfill or equivalent facility in accordance with local, regional and national environmental regulations. Inovata is a member of Agrecovery Container Recycling programme. For details on how to correctly prepare your container and collection sites please visit www.agrecovery.co.nz .
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Section 14 – Transport Information

Proper Shipping Name:	Environmentally Hazardous Substance, liquid, N.O.S. (Abamectin, Selenium)
UN Number:	3082
DG Class:	9
Hazchem Code:	3Z
Packing Group:	III
Flashpoint:	N/A
Marine pollutant:	Yes

Section 15 – Regulatory Information

ERMA NZ Registration Code:	HSR100758 See http://www.epa.govt.nz for approval conditions
NZFSA Approval Number:	A011950 See www.foodsafety.govt.nz for registration conditions

Section 16 – Other Information

The information in this SDS is provided in good faith, but no warranty, expressed or implied is made. Contact Inovata Ltd for more information.

EMERGENCY CONTACT No.: 0800 764 766 (National Poisons Information Centre)

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