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

Product Name: TISON
Company: Inovata Ltd.
Address: 16 Sheffield Crescent
 PO Box 20 449
 Christchurch
Telephone Number: 0800 942 006
Recommended Use: For the treatment and control of susceptible gastrointestinal roundworms and lungworms in cross bred sheep, including strains with single or dual resistance to macrocyclic lactones, benzimidazoles and levamisole.

Section 2 – Hazard Identification

Hazard Classes

Acute oral toxicity Category 4		Harmful if swallowed
Eye irritation Category 2		Causes mild skin irritation
Skin sensitisation Category 1		Causes serious eye irritation
Germ cell mutagenicity Category 2		May cause an allergic skin reaction
Reproductive toxicity Category 2		Suspected of causing genetic defects
Specific target organ toxicity – single exposure Category 2		Suspected of damaging fertility or the unborn child
Hazardous to the aquatic environment acute Category 1		May cause damage to organs
Hazardous to soil organisms		Very toxic to aquatic life
Hazardous to terrestrial vertebrates		Harmful to the soil environment.
Hazardous to terrestrial invertebrates		Toxic to terrestrial vertebrates Very toxic to terrestrial invertebrates

Prevention statements	P102	Keep out of reach of children
	P103	Read label before use
	P201	Obtain special instructions before use
	P202	Do not handle until all safety precautions have been read and understood
	P260	Do not breathe fumes/mist
	P264	Wash hands thoroughly after handling
	P270	Do not eat, drink or smoke when using this product
	P272	Contaminated work clothing should not be allowed out of the workplace
	P273	Avoid release to the environment
	P280	Wear protective gloves/clothing and eye protection.
	P281	Use personal protective equipment as required

EPA NZ Approval Code HSR100759

Signal word WARNING

IN CASE OF EMERGENCY PHONE
National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)

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Section 3 – Composition Information

Chemical Entity	CAS No.	Content
Eprinomectin	123997-26-2	1.5 %
Levamisole Base	14769-73-4	2.6 – 2.7%
BHT	128-37-0	<5.0%
Other non hazardous substances		To 100%

Section 4 – First Aid Measures

If Swallowed:	Call a POISON CENTRE or contact a doctor/physician if you feel unwell. Rinse Mouth.
If in eyes:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: 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:	Remove to fresh air and keep at rest in a position comfortable for breathing.

If exposed or if you feel unwell: Call the POISON CENTRE 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 and nitrogen oxides (NOx)
Protective Equipment:	Self contained breathing apparatus and protective gloves and clothing
Flashpoint:	Not available

Section 6 – Accidental Release Measures

Spills and Disposal:	Evacuate personnel to safe areas. Absorb spill with inert material (e.g.vermiculite, dry sand or earth). Use appropriate tools to put spilt material in a suitable chemical waste container. Clean contaminated surface thoroughly. Dispose of waste safely.
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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: Avoid breathing fumes or mist. Ensure adequate ventilation.

Safe handling advice: Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe fumes or spray mist. Do NOT ingest.

Storage conditions: Store below 25°C in original container tightly closed and in a locked, dry and well-ventilated area away from foodstuffs. Do not freeze.

Incompatible Materials: No information available

Section 8 – Exposure Controls/Personal Protection

Exposure Limits: N/A

Protective Equipment: Observe good work place 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: Clear to slightly cloudy yellow liquid

Odour: No information available

Specific Gravity: 0.97 – 1.1

pH: No information available

Vapour Pressure: No information available

Flash Point: No information available

Autoignition Temperature: No information available

Flammability Limits: 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 and Nitrogen oxides (NOx)

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Section 11 – Toxicological Information

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

Ingestion:	Product is harmful if swallowed.
Inhalation:	No information available.
Dermal:	Causes mild skin irritation.
Ocular:	Causes serious eye irritation.
Chronic Effects:	Suspected of damaging fertility or the unborn child. May cause damage to organs.
Mutagenic effects:	Suspected of causing genetic defects.
Sensitization:	May cause an allergic skin reaction.

Section 12 - Ecological Information

Ecotoxicity:	Product is very toxic to aquatic organisms. May cause adverse effects in the soil environment. Do not allow material to contaminate ground water system.
Persistence and degradability:	No data available.
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. Donaghys 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

International Regulations

IATA-DGR

Proper Shipping Name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPRINOMECTIN AND LEVAMISOLE)
UN Number	: 3082
Hazard class	: 9
Subsidiary Risk Class	: No information available
Packing Group	: III
Marine pollutant	: YES
Hazchem code	: 3Z

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IMDG-Code

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LIQUID, N.O.S. (CONTAINS
EPRINOMECTIN AND LEVAMISOLE)
Class : 9
Packing group : III
Marine pollutant : Yes

Section 15 – Regulatory Information

EPA NZ Registration Code: HSR100759
ACVM Registration Number: A011955

Section 16 – Other Information

The information in this MSDS 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)