

Jaychem Industries Limited
MATERIAL SAFETY DATA SHEET

Date Prepared: 06 May 2015

1. PRODUCT IDENTIFICATION:

Product Name:	Mectin Sheep Drench
Product Type:	Endoparasiticide
Product Class:	Mineralised oral anthelmintic for treatment of internal parasites in sheep
Manufacturer:	Jaychem Industries Ltd.
Address:	3 Kordel Place, East Tamaki, Auckland 2013.
Telephone:	09 274 6647
Fax	09 274 1358

2. COMPOSITION/ INFORMATION ON INGREDIENTS:

Proprietary:	No
Ingredient:	Abamectin
Percent:	1g/L
CAS Number:	71751-41-2

Proprietary:	No
Ingredient:	Sodium selenate
Percent:	1.2 g/L
CAS Number:	13410-01-0

Proprietary:	No
Ingredient:	Disodium copper ethylenediamine tetra-acetate
Percent:	14.6 g/L
CAS Number:	14025-21-9

Proprietary:	No
Ingredient:	Disodium cobalt ethylenediamine tetra-acetate
Percent:	3.0 g/L
CAS Number:	15137-09-4

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Proprietary:	No
Ingredient:	Disodium zinc ethylenediamine tetra-acetate
Percent:	4.0 g/L
CAS Number:	14025-21-9

Proprietary:	No
Ingredient:	Ethylenediamine dihydroiodide
Percent:	1.0 g/L
CAS Number:	5700-49-2

3. HAZARDS IDENTIFICATION:

Hazard Classification:	6.3B, 6.4A, 6.5B, 6.8B, 6.8C, 9.1A, 9.2C, 9.4A
Priority identifiers	WARNING KEEP OUT OF REACH OF CHILDREN;
Secondary identifiers	6.3B = skin irritant 6.4A= Eye irritant 6.5B=Contact sensitizer 6.8B= May damage fertility \6.8C Effects on lactation 9.1A=Very toxic to aquatic organisms 9.2C= Harmful to soil environment 9.4A= Very toxic to terrestrial invertebrates

4. FIRST AID MEASURES:

<p>For advice contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately.</p> <p>Observe good work practices to avoid skin and eye contact and wash hands and exposed skin before meals and after use.</p> <p>Eyes – If splashed in eyes wash out immediately with water Ingestion – If swallowed seek medical attention. Do NOT induce vomiting Skin – If skin or hair contact occurs remove contaminated clothing and flush skin and hair with running water.</p>
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Inhalation – Remove to fresh air

5. FIRE FIGHTING MEASURES:

Flash Point:	NA
Lower Explosive Limit:	NA
Upper Explosive Limit:	NA
Extinguishing Media:	Use media suitable for surrounding materials. Do not allow water to enter drains.
Unusual Fire and Explosive Hazards:	Non flammable, non combustible and non explosive

6. ACCIDENTAL RELEASE MEASURES:

Emergency Procedures	Wear suitable protective clothing. Restrict access to contaminated area. Contain the spill and prevent further dispersion. Retrieve intact containers from site. Place damaged containers into containment devices. Absorb spills with inert material and place in waste containers. Wash the area with water and absorb with further inert material. Collect spilled material and place in sealable containers for subsequent disposal. Avoid contamination of water courses or sewers.
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MATERIAL SAFETY DATA SHEET**7. HANDLING AND STORAGE:**

Suitable Container	Packaging as recommended by manufacturer. Check that containers are clearly labelled.
Storage Site Requirements	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertilizer and seed. Store in accordance with NZS 8409: Management of Agrichemicals. This product is subject to signage and secondary containment when stored in quantities of 100 litres or more, either alone or in aggregate with substances of the same hazard classification. Storage of more than 100 litres requires emergency response plans. For full details refer to NZS 8049; Management of Agrichemicals and HSNO Regulations (Emergency Management and Identification Regulations)
Approved Handlers	Not required.
Precautions for safe handling	Apply with well-maintained and calibrated equipment. Handle with care.

8. EXPOSURE CONTROL/ PERSONAL PROTECTION:

Eye	Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.
Body/Hands/Feet	Clothing should consist of overalls with long sleeves and impervious gloves. Wear protective goggles.
Exposure standards outside the workplace	NO TEL is set for this substance at this time. EEL- Not applicable
Engineering controls	Ensure that ventilation maintains dust levels below WES

MATERIAL SAFETY DATA SHEET**9. PHYSICAL DESCRIPTION/PROPERTIES:**

Appearance	Blue suspension
pH	5.5-6.5
Specific gravity	1.04-1.05

10. STABILITY AND REACTIVITY:

Stability of substance	Stable under normal conditions of use and storage
Conditions to Avoid	None
Material to Avoid	No specific materials to avoid
Hazardous Decomposition Products	No hazardous products are expected, except when heated to decomposition
Hazardous Polymerisation	Components are not expected to form hazardous components
Specific data	NA

11. TOXICOLOGICAL INFORMATION:

Data Summary	<p>Hazard Classifications: 6.3B, 6.4A, 6.5B, 6.8B, 6.8C</p> <p>Inhalation: Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be harmful.</p> <p>Ingestion: Abamectin: Oral LD50 11 mg/kg (rat), 14 mg/kg (mouse)</p> <p>Accidental ingestion of the material may be harmful. Central nervous system effects have been reported.</p> <p>Skin: Entry into the blood-stream, through for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. May cause skin irritation on prolonged contact. Is a contact sensitiser.</p> <p>Eye: May cause eye irritation</p> <p>Chronic Effects: There is limited evidence that skin contact with this</p>
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	<p>product is more likely to cause a sensitisation reaction in some persons compared to the general population.</p> <p>Sensitisation may result in allergic dermatitis responses including rash, itching, hives or swelling of extremities.</p> <p>Reproductive Toxicity: There is some evidence from animal testing that exposure to this material may result in toxic effects to the unborn baby.</p> <p>Mutagenicity: Not mutagenic</p> <p>Carcinogenicity: Not considered to be carcinogenic</p>
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12. ENVIRONMENTAL INFORMATION:

Potential Environmental Interactions	<p>Hazard Classifications: 9.1A, 9.2C, 9.4A</p> <p>Ecotoxicity: Very toxic to aquatic organisms and terrestrial invertebrates</p> <p>Toxic to soil environment</p> <p>Harmful to terrestrial vertebrates</p> <p>Abamectin:</p> <p>Acute oral LD50: 84.6 mg/kg (mallard ducks), >2000 mg/kg (bobwhite quail)</p> <p>Fish LC50 (96 h): 3.2 ug/l (rainbow trout), 9.6 ug/l (bluegill sunfish), 24 ug/l (channel catfish), 42 ug/l (carp). Daphnia EC50 (48 h); 0.34 ppb. Other LC50 (96 h); 1.6 ppb (pink shrimp); 0.022 ppb (mysid shrimp); 153 ppb (blue crab).</p> <p>Bioaccumulation: No bioaccumulation</p>
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13. DISPOSAL CONSIDERATIONS:

Disposal	Preferably dispose of by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility. Do not use container for any other purpose.
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14. TRANSPORT INFORMATION:

Relevant Information	<p>RAIL/ROAD; SEA (IMDG Code); AIR (ICAO/IATA) UN Number: 3082 Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (abamectin) DG Class: 9 Subsidiary Class: None Packing Group: III Marine Pollutant: Yes MTQ (non-commercial): 1,000 litres HAZCHEM Code: 3Z IERG Number: 47 Other information: Check the latest versions of the Land Transport Dangerous Goods Rule 45001 and associated Transport of Dangerous Goods on Land (NZS 5433) for additional information on maximum allowable transport quantities (MTQ's), placarding and segregation. Sea transport may require further segregation.</p>
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15. REGULATORY INFORMATION:

Regulatory Status	<p>Registered pursuant to the ACVM Act 1997, No.A009920 HSR001887 SDS is required for quantities greater than or equal to 0.1L Signage: 100Litres</p>
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Emergency Plan:100L

16. OTHER INFORMATION:

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith. However, no warranty or representation with respect to such information is intended or given.
