



Date of Issue: 21 June 2011

Date of previous issue: 8 February 2010

SDS NUMBER 108/4/NZ

## 1. Identification of the Substance/Mixture and Supplier.

Product name: Saturn Sheep HiMin  
 Application: Oral drench for sheep.  
 Company: Bayer New Zealand Limited,  
 3 Argus Place,  
 Hillcrest,  
 Auckland 0627.  
 Telephone: 0800 652 488  
 Facsimile: 0800 229 838  
 Emergency telephone: 0800 734 607 Orica SH&E Shared services (24hr)

## 2. Hazards Identification.

Hazard Classification: Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Classification and Type: Harmful if swallowed, in contact with skin or inhaled. May cause eye irritation. May cause allergic skin reaction. May cause genetic defects. Suspected of damaging fertility or the unborn child. Causes damage to the central nervous system through prolonged or repeated exposure by injection. Very toxic to aquatic life with long lasting effects. Harmful to terrestrial vertebrates.

## 3. Composition/Information on Ingredients.

<u>Chemical Entity</u>	<u>CAS No.</u>	<u>Proportion</u>
Levamisole HCl	16595-80-5	40g
Abamectin	71751-41-2	1.0g.
Sodium Selenate	13410-01-0	0.50g
Other active ingredients are copper (2.10g), zinc (0.6g), cobalt (0.21g), iodine (0.76g).		

## 4. First Aid Measures.

General Information: Remove victim from contaminated area. If there is a risk of unconsciousness, position and transport in a stable lateral position. If exposed and/or concerned, seek medical attention.

Skin Contact: Immediately remove all contaminated clothing. Wash contact areas with soap and water for 15 minutes. Seek medical attention if irritation persists.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Ingestion: Rinse mouth with water. DO NOT induce vomiting. Seek immediate medical assistance

Inhalation: Remove patient to fresh air, avoid breathing vapours yourself. If not breathing apply mouth-to-mouth resuscitation. Seek medical assistance.

Further Information: Contact the National Poisons and Hazardous Chemicals Information centre in Dunedin, PO Box 913, Dunedin. Phone 0800 764 766, 0800 POISON.



<b>5. Fire-Fighting Measures.</b>	
Extinguishing media and methods:	Use foam, carbon dioxide, dry powder, and water or BCF fire extinguishers.
Recommended protective clothing:	Fire fighters should wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fight fire in the early stages if it is safe to do so.
Further Information:	Make provisions to contain fire fighting water. Emits toxic fumes when heated to decomposition.
<b>6. Accidental Release Measures.</b>	
Spill and leak procedure:	Do not empty into drains or waters. Wear rubber gloves, rubber boots, protective clothing and eye protection. Remove with liquid binding material (e.g. sand, sawdust or diatomaceous earth). Wash the spill site with water after pick up is complete. Dispose of waste in compliance with local waste disposal regulations. Place used cleaning materials into closable containers. Do not eat, drink or smoke during cleanup operation. Do not breathe gas/dust/mist/fume/vapours/spray.
<b>7. Handling and Storage.</b>	
Handling:	Obtain special instructions and read label before use. Do not handle until all safety precautions have been read and fully understood. Keep container tightly closed. Wash thoroughly after handling. Avoid contact during pregnancy or when nursing.
Storage:	Store, locked up, in a cool, dry, well-ventilated place in its original packaging away from direct sunlight. Keep containers securely sealed. Check packaging for leaks and other physical damages. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. Avoid contamination with strong oxidising agents.
<b>8. Exposure Control/Personal Protection</b>	
Engineering measures:	Use in well ventilated area
Respiratory Protection:	Not required under normal conditions of use.
Hand Protection:	Protective gloves for chemical use (e.g. PVC gloves)
Eye Protection:	Safety chemical goggles should be worn.
Hygiene measures:	Keep the place of work clean. Avoid contact with product. Keep working clothes separate. Change badly soiled or soaked clothing. Wash hand before breaks and at the end of work. Remove contaminated protective clothing.
<b>9. Physical and Chemical Properties</b>	
Form:	Suspension
Colour:	Blue
Odour:	Faint
Flash point:	Not flammable
<b>10. Stability and Reactivity</b>	
Hazardous decomposition products:	None if stored and handled correctly



**Date of Issue: 21 June 2011**

Date of previous issue: 8 February 2010

**SDS NUMBER 108/4/NZ**

<b>11. Toxicological Information</b>	
Acute toxicity:	Acute toxicity results for the active(Levamisole) LD 50 (Oral) 180 mg/kg (rats) LD 50 (Oral) 210 mg/kg (mice) LD50 (Contact) Cross reference to levamisole (CAS 14769-73-4) Acute toxicity results for the active (Abamectin) LD50 (Oral) 8.7-12.8 mg/kg (rat)
Ingestion:	May cause nausea, vomiting, abdominal pain, diarrhoea, taste disturbances, fatigue, headache, confusion, lethargy, dizziness, fever, influenza like syndrome, arthralgia, muscle pain, hypotension, vasculitis and skin rash.
Eye irritation:	Will irritate eyes, may cause transient stinging or redness.
Skin irritation:	Avoid contact with skin as product can be absorbed and produce the same side effects as when swallowed.
Inhalation:	Side effects are the same as when swallowed.
Sensitising:	Contact sensitizer.
<b>12. Ecological Information</b>	
Do not allow product to escape into water ways, waste water and soil environments.	
<b>13. Disposal Considerations.</b>	
After spill or incident:	Preferably dispose of through use. If this is not possible dispose of in an approved landfill or waste disposal company. Treat product so that it is no longer toxic.
After intended use:	Triple rinse containers, spread rinsate on waste ground or pasture. Burn container in an appropriate incinerator, otherwise crush or puncture and bury in a suitable landfill or if appropriate recycle
<b>14. Transportation Information.</b>	
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (0.1% abamectin, selenium)
UN Number:	3082
Hazard Class:	9
Hazchem Code:	3Z
Packing Group:	III
Flashpoint	>93°C
Marine pollutant:	Yes
Hazardous substances regulations:	Maximum quantity per package permitted on passenger service vehicles 1L
<b>15. Regulatory Information.</b>	
HSNO Approval Number: HSR008058	
ACVM Approval Number: A10344	
<b>HSNO Classification</b>	
6.1E (Oral) Acutely Toxic Substance.	
6.3B Substances That Are Mild Skin Irritants.	
6.4A Substances That Are Eye Irritants.	



**Date of Issue: 21 June 2011**

Date of previous issue: 8 February 2010

**SDS NUMBER 108/4/NZ**

6.5B Substances That Are Contact Sensitizers  
6.6B Substances Suspected Of Causing Genetic Defects  
6.8B Substances That Are Suspected Human Reproductive Or Developmental Toxins  
6.8C Substances That Are Suspected Of Causing Harm To Breast-Fed Children.  
6.9B (Oral) Substances That Are Harmful To Human Target Organs Or Systems.  
9.1A Substances That Are Very Toxic To Aquatic Life With Long Lasting Effects  
9.2D Substances that are ecotoxic in the soil environment  
9.3C Substances that are ecotoxic to terrestrial vertebrates  
9.4A Substances That Are Very Harmful To Terrestrial Invertebrates

**Controls for hazardous substances:**

- Level 2 Emergency Management Information required when > 1.0 Litre is present in a workplace.
- Level 3 Emergency Management Plans required when > 100 Litres is present in a workplace.
- When an excess of 100 Litres is stored, signage is required for toxic substance.
- When an excess of 100 Litres is stored, signage is required for ecotoxic substance.

Approved handler and tracking controls have been removed from this product.

Controls of hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will take into account aggregate quantities. Contact an ERMA Approved Test Certifier for further information and guidance.

**16. Other Information.**

OSH(2002) – Workplace Exposure Standards, effective 2002.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.