Safety Data Sheet

Combo™ Low Dose

Revised: 029/07/2016

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name: COMBO™ LOW DOSE

Product Code: 8141988 (5 litre) and 8141990 (20 litre)

Recommended Use: A mineralised oral anthelmintic for treatment of internal parasites in cattle and sheep

Company Identification: Ravensdown Limited

Address: 292 Main South Road, Hornby
PO Box 1049
Christchurch

Customer Centre: 0800 100 123

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

Emergency Telephone Number: 0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)

Transport Emergency Phone: 111 - tell operator what service is needed: Fire, Ambulance, Police

Section 2: HAZARD IDENTIFICATION

Hazard Classifications: 6.1E, 6.3B, 6.5B, 6.6B, 6.8B, 6.9B, 9.1B, 9.3C

Priority Identifiers: WARNING
KEEP OUT OF REACH OF CHILDREN

Secondary Identifiers: 6.1E = May be harmful if swallowed, inhaled or absorbed through the skin
6.3B = Skin irritant
6.5B = Contact sensitiser
6.6B = Mutagenic
6.8B = May damage fertility
6.9B = Harmful to human target organs or systems
9.1B = Toxic to aquatic organisms
9.3C = Harmful to terrestrial vertebrates

Section 3: COMPOSITION INFORMATION

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS No.</th>
<th>CONTENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxfendazole</td>
<td>53716-50-0</td>
<td>4.53%</td>
</tr>
<tr>
<td>Levamisole Hydrochloride</td>
<td>16595-80-5</td>
<td>8%</td>
</tr>
<tr>
<td>Sodium Selenate Anhydrous</td>
<td>13410-01-0</td>
<td>0.22%</td>
</tr>
<tr>
<td>Copper Chelate 14%</td>
<td>54453-03-1</td>
<td>1.41%</td>
</tr>
<tr>
<td>Cobalt Chelate 14%</td>
<td>36499-65-7</td>
<td>0.13%</td>
</tr>
<tr>
<td>Zinc Chelate 14%</td>
<td>12519-36-7</td>
<td>0.4%</td>
</tr>
<tr>
<td>Potassium Iodate</td>
<td>7758-05-6</td>
<td>0.16%</td>
</tr>
<tr>
<td>Other non-hazardous ingredients</td>
<td>7732-18-5</td>
<td>10-30%</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>Up to 100%</td>
</tr>
</tbody>
</table>
Section 4: FIRST AID MEASURES

First Aid Measures: Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.

Inhalation: Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.

Ingestion: Never give anything by mouth to an unconscious person. If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately.

Skin: Remove contaminated clothing and wash affected area thoroughly with soap and water. If a large area is affected seek medical assistance.

Eye: Flush with plenty of water for 15 minutes holding eyelids open if necessary. Call a doctor immediately.

Advice to Doctor: No specific antidote. Treat symptomatically. If vomiting is induced, suggest endotracheal and/or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.

Section 5: FIRE FIGHTING MEASURES

Flammability: Non flammable

Flash Point: Not applicable

Hazardous Combustion Products: If involved in a fire may evolve noxious fumes

Extinguishing Media: There is no restriction on the types of extinguisher which may be used. Use extinguishing media suitable for surrounding area

Protective Equipment: Full protective equipment and self-contained breathing apparatus

HAZCHEM Code: 3Z

Location Certificate: Not applicable

Hazardous Atmosphere Zone: Not applicable

Fire Extinguishers: Not applicable

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal: Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Dispose of waste safely in an approved landfill.

Protective Clothing: For appropriate personal protective equipment see section 8.

Environmental Precaution: Prevent from entering drains, waterways or sewers. If spill does enter waterways contact the local authority.
Section 7: HANDLING AND STORAGE

Handling: Keep out of reach of children. Avoid contact with skin, eyes and inhalation of vapours. Use personal protective equipment as required.

Approved Handler: Not required
Tracking: Not required
Record Keeping: Not required

Storage: Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertiliser 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 8409; Management of Agrichemicals and HSNO Regulations (Emergency Management and Identification Regulations).

Other Information: Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits: No exposure limits have been assigned for this product.
Protective Equipment: When contact with product is likely, wear protective gloves.
Engineering Controls: Handle in well-ventilated area. Avoid inhalation of vapours.
Hygiene Precautions: Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work. Contaminated clothing should not be allowed out of the workplace.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Creamy blue liquid suspension with a mild odour
Specific Gravity: 0.9 - 1.08
Solubility in Water: Miscible in water
pH: 4.0 - 4.5
Flash Point: Not applicable (non-flammable)

Section 10: STABILITY AND REACTIVITY

Stability: When stored appropriately this product should show no significant degradation for at least 3 years from the date of manufacture.
Hazardous Polymerisation: Not known to occur.
Materials to Avoid: None
Section 11: TOXICOLOGICAL INFORMATION

Hazard Classifications: 6.1E, 6.3B, 6.5B, 6.6B, 6.8B, 6.9B

Inhalation: Not normally a hazard due to non-volatile nature of product. The material is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation.

Ingestion: Levamisole Hydrochloride: Oral LD50: 480 mg/kg (rat), 210 mg/kg (mouse)
Oxfendazole: Oral LD50: 6,400 mg/kg (rat)

Skin: May cause skin irritation on prolonged contact. Is a contact sensitiser.

Eye: May cause transient discomfort

Reproductive Toxicity: There is some evidence from animal testing that exposure to this material may result in toxic effects to the unborn baby

Mutagenicity: Exposure to the material for prolonged periods may cause physical defects in the developing embryo (teratogenesis)

Carcinogenicity: Not considered to be carcinogenic

Section 12: ECOLOGICAL INFORMATION

Hazard Classifications: 9.1B, 9.3C

Ecotoxicity: Toxic to aquatic organisms and terrestrial invertebrates
Harmful to terrestrial vertebrates

Bioaccumulation: Bioaccumulation unlikely to occur

Section 13: DISPOSAL INFORMATION

Product Disposal: Dispose of product only by using according to label or at an approved landfill. Recycle where possible. Do not contaminate bodies of water with chemical or empty container.

Container Disposal: Triple rinse container. Triple rinsed containers containing the Agrecovery logo on the label, and that are free of all residues and have an intact legible label, may be taken to an Agrecovery collection site for disposal. Burn in an appropriate incinerator if circumstance, such as wind direction permit. Otherwise crush and bury in an approved landfill or recycle through an alternative approved recycling scheme. Do not burn container or use container for any other purpose.
Section 14: TRANSPORT INFORMATION

Transport Information: It is good practice to separate this product from food, food related materials, animal feedstuffs, seed or fertilisers during transport.

RAIL/ROAD; SEA (IMDG Code); AIR (ICAO/IATA)

<table>
<thead>
<tr>
<th>UN Number:</th>
<th>3082</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name:</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (oxfendazole)</td>
</tr>
<tr>
<td>DG Class:</td>
<td>9</td>
</tr>
<tr>
<td>Subsidiary Class:</td>
<td>None</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>III</td>
</tr>
<tr>
<td>Marine Pollutant:</td>
<td>Yes</td>
</tr>
<tr>
<td>MTQ (non-commercial):</td>
<td>1,000 litres</td>
</tr>
<tr>
<td>HAZCHEM Code:</td>
<td>3Z</td>
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<tr>
<td>IERG Number:</td>
<td>47</td>
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</tbody>
</table>

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.

Section 15: REGULATORY INFORMATION

ACVM: Registered pursuant to the ACVM Act 1997, A10784
See [www.mpi.govt.nz](http://www.mpi.govt.nz) for registration conditions.

EPA: Approved pursuant to the HSNO Act 1996, Approval number: HSR100637
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

Section 16: OTHER INFORMATION

This Safety Data Sheet was updated on the date shown on page 1 and supersedes all previous versions.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.