

Safety Data Sheet

Parable™ 250

Revised: July 2019

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	PARABLE™ 250
Recommended Use:	Non-selective, non-residual, contact herbicide for the control of grasses and broadleaf weeds
Company Identification:	Ravensdown Limited
Address:	292 Main South Road Hornby 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:	111 Fire and Police

Section 2: HAZARD IDENTIFICATION

Hazard Classifications:	6.1A, 6.3A, 6.4A, 6.7B, 6.9A, 9.1A, 9.3A, 9.4B
Priority Identifiers:	TOXIC ECOTOXIC
Secondary Identifiers:	6.1A = May be fatal if swallowed, inhaled or absorbed through the skin 6.3A = Irritating to the skin 6.4A = Irritating to the eye 6.7B = suspected of causing cancer 6.9A = May cause organ damage 9.1A = Very toxic to aquatic organisms 9.3A = Very toxic to terrestrial vertebrates 9.4B = Toxic to terrestrial invertebrates

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Paraquat (as paraquat dichloride)	1910-42-5	25%
Stench Agent	110-86-1	<6%
Emetic	27277-00-5	<1%
Other ingredients – non-hazardous		To 100%

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. Rapid treatment is essential.
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. Use mouth to nose rather than mouth to mouth. 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. Seek medical assistance immediately.
Eye:	Flush with plenty of water holding eyelids open if necessary.
Symptoms of Poisoning:	Inflammation of mouth, nose and oesophagus. Gastrointestinal discomfort. Diarrhoea and vomiting.

Advice to Doctor: Rapid treatment is essential. **Refer to booklet 'Paraquat Poisoning.** A practical Guide to Diagnosis, First Aid and Hospital Treatment'.

Ensure airway, breathing and circulation are intact. Administer activated charcoal or Fullers earth. The use of gastric lavage without administration of an absorbent has shown no clinical benefit.

Eye splashes from concentrate material should be treated by an eye specialist after initial treatment for corneal ulceration.

Section 5: FIRE FIGHTING MEASURES

Flammability:	If involved in a fire this product will not burn.
Hazardous Combustion Products:	If involved in a fire, combustion products are toxic and or irritant.
Extinguishing Media:	Water fog, foam, carbon dioxide or dry chemical
Protective Equipment:	Full protective clothing and self-contained breathing apparatus.
HAZCHEM Code:	2X
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 local authority.

Section 7: HANDLING AND STORAGE

Handling: Keep out of reach of children. Avoid contact with skin, eyes and inhalation of spray mist.
Approved Handler: This product must be under the control of an approved handler when applied in a wide dispersive manner or by a commercial contractor.

Tracking: This product must be tracked

Record Keeping: Records of use in accordance with NZS 8409 Management of Agrichemicals must be kept.

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 50litres or more, either alone or in aggregate with substances of the same hazard classification. More than 100litres require 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 by OSHA

Protective Equipment: When opening the container, preparing spray and when contact with concentrate or solution is likely, wear safety goggles, waterproof gloves, cotton overalls buttoned to the neck and wrist, and boots.

Engineering Controls: Handle in well-ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Avoid inhalation of spray mist.

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.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear dark blue liquid
Odour:	Obnoxious (stench agent)
Specific Gravity:	1.1
Solubility in Water:	Soluble in water
pH:	5.0 – 6.0
Other Information:	(SL) Soluble concentrate

Section 10: STABILITY AND REACTIVITY

Stability:	When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture.
Hazardous Polymerisation:	Hazardous polymerisation should not occur
Materials to Avoid:	Corrosive to mild steel, iron and aluminium Avoid contact with strong acids, alkalis and oxidising agents

Section 11: TOXICOLOGICAL INFORMATION

Hazard Classifications:	6.1A, 6.3A, 6.4A, 6.7B, 6.9A
Inhalation:	Acute Inhalation No Data Available
Ingestion:	Acute Toxicity (Oral) LD ₅₀ (rat) 621mg/kg (paraquat) Amounts swallowed may cause injury. Symptoms include: inflammation of mouth, nose and oesophagus, nausea, vomiting, gastrointestinal discomfort and diarrhoea
Skin:	Acute Toxicity (Dermal) LD ₅₀ (rat) 735mg/kg (paraquat) Skin irritant.
Eye:	Eye Irritant
Reproductive Toxicity:	Not considered to be a reproductive toxin
Mutagenicity:	No mutagenic or teratogenic effects expected
Carcinogenicity:	Suspected of causing cancer

Section 12: ECOLOGICAL INFORMATION

Hazard Classifications:	9.1A, 9.3A, 9.4B
Ecotoxicity:	Acute Toxicity (fish) (paraquat) LC ₅₀ (brown trout) (96hr) 2.5-13mg/l LC ₅₀ (rainbow trout) (96hr) 55mg/l Acute Toxicity (daphnia) (paraquat) LC ₅₀ (48hr) 6.1mg/l Toxic to fish and other aquatic organisms Acute Toxicity (birds) (paraquat) LD ₅₀ (hens) 262mg/kg Acute Toxicity (bees) (paraquat) LD ₅₀ 36ug/bee Very toxic to terrestrial vertebrates
Persistence/Mobility:	Paraquat is strongly adsorbed by the soil and rapidly deactivated. There is no mobility or leaching. Rapid photo-degradation in water and on plants. Microbial degradation is the major cause of loss from the soil.

Section 13: DISPOSAL INFORMATION

Product Disposal:	Dispose of product only by using according to label or at an approved landfill
Container Disposal:	Triple rinse container and add rinsate to spray tank. Burn in an appropriate incinerator if circumstance, such as wind direction permit. Otherwise crush and bury in an approved landfill. Do not 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.
UN Number:	3016
Proper Shipping Name:	BIPYRIDILUM PESTICIDE, LIQUID, TOXIC (paraquat 25%)
DG Class:	6.1
Subsidiary Class:	None
Packing Group:	III
MTQ (non-commercial):	250L
Marine Pollutant:	Yes
Hazchem code:	2X
IERG Number:	34

Other Information: Check the latest versions of the Land Transport 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, P8501
See www.foodsafety.govt.nz/acvm/ for registration conditions.

ERMA: Approved pursuant to the HSNO Act 1996, Code: HSR100572
See www.epa.govt.nz for approval controls.

Section 16: OTHER INFORMATION

This SDS 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.