

Rogor

Reviewed: April 2016

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	ROGOR
Recommended Use:	Broad spectrum organophosphate insecticide for use in agriculture and horticulture
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:	IN AN EMERGENCY, DIAL 111 – FIRE or POLICE

Section 2: HAZARD IDENTIFICATION

Hazard Classifications:	3.1C, 6.1C, 6.5A, 6.8B, 6.9A, 9.1A, 9.2B, 9.3A, 9.4A
Priority Identifiers:	WARNING – Flammable Liquid and Vapour TOXIC ECOTOXIC
Secondary Identifiers:	3.1C = Warning - Flammable liquid and vapour. Keep away from sources of ignition. 6.1C = Toxic – keep out of reach of children. 6.5A = Toxic – may cause respiratory sensitisation 6.5B = Harmful – may cause sensitisation from prolonged skin contact 6.8B = Harmful - may cause reproductive or development damage from repeated oral exposure 6.9A = Toxic - may cause organ damage from repeated oral exposure at high doses 9.1A = Very toxic to fish with long lasting effects. Avoid contamination of any water supply with product or empty container 9.2B = Toxic to the soil environment 9.3A = Very toxic to terrestrial vertebrates 9.4A = Very toxic to terrestrial invertebrates

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Dimethoate	60-51-5	40%
hydrocarbons	64742-94-5	<30%
Cyclohexanone	108-94-1	<60%
Other ingredients		To Volume

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 holding eyelids open if necessary.
Advice to Doctor:	Atropine is the specific antidote.

Section 5: FIRE FIGHTING MEASURES

EPA Classification:	3.1C
Flash Point:	>52°C
Hazardous Combustion Products:	If involved in a fire may evolve toxic and irritating fumes
Extinguishing Media:	Alcohol resistant foam, Water spray, foam, dry chemical, Carbon dioxide, sand.
Protective Equipment:	Full protective clothing and self-contained breathing apparatus
HAZCHEM Code:	3W
Location Certificate:	Required
Hazardous Atmosphere Zone:	Required
Fire Extinguishers:	Required. 2 for 500lt or more

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Avoid contact with skin and eyes. Do not inhale spray. 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 used by a commercial contractor Tracking: This product must be tracked Record Keeping: Records of use as described in 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, seed and sources of ignition. Store in accordance with NZS 8409 Management of Agrichemicals. Do not store with Class 1, 2, 3.2, 4 or 5 substances. Stores containing 500lt of this product or in aggregate with substance of the same hazard classification must have at least 2 fire extinguishers.
Storage continued:	This product is subject to signage and secondary containment when stored in quantities of 100litres 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 Full Personal Protective Equipment (PPE). Chemical resistant coveralls, chemical resistant gloves, chemical resistant footwear plus socks, chemical resistant headgear and chemical resistant eyewear. Respiratory protection equipment (RPE) appropriate to protect against respiratory exposure to this substance in mist or vapour forms.

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 amber liquid
Odour: Solvent odour
Specific Gravity: 1.055
Solubility in Water: Emulsifies in water
Flash Point: >52°C
Other Information: (EC) Emulsifiable 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 is not likely to occur

Materials to Avoid: Avoid contact with oxidising agents, strong acids or alkalis

Section 11: TOXICOLOGICAL INFORMATION

EPA Classifications: 6.1C, 6.4A, 6.8B, 6.9A

Inhalation: **Acute Inhalation** LD₅₀ (rat) (4hr) >1.6mg/L (dimethoate)
When applying this product avoid inhalation of spray mist. Minor short term exposure may lead to short term health problems, although long term exposure may lead to permanent health problems.

Ingestion: **Acute Toxicity (Oral)** LD₅₀ (rat) 387mg/kg (dimethoate)
Amounts as single exposure swallowed incidental to normal handling may cause harm. Ingestion of relatively large amounts may lead to death. Possible symptoms of exposure include nausea, vomiting and central nervous system depression. If aspirated into the lung may cause chemical pneumonitis or pulmonary oedema

Skin: **Acute Toxicity (Dermal)** LD₅₀ (rat) >2000mg/kg (dimethoate)
The concentrate may be absorbed through the skin. Major exposure may lead to serious health problems and even death if not treated promptly. Irritating to the skin

Eye: No information available

Chronic Effects: Regular exposure may result in lowering of cholinesterase activity. This typically leads to headache, dizziness, weakness, shaking, nausea, stomach cramps, diarrhoea and sweating.

Reproductive Toxicity: May cause reproductive or development damage from repeated oral exposure

Mutagenicity: No mutagenic or teratogenic effects expected

Carcinogenicity: Data indicates no carcinogenic effects

Section 12: ECOLOGICAL INFORMATION

EPA Classifications: 9.1A, 9.2B, 9.3A, 9.4A

Ecotoxicity: **Acute Toxicity (fish)** (dimethoate)
LC₅₀ (96hr) 92.2mg/l
Very ecotoxic in the aquatic environment
Very toxic to terrestrial vertebrates
Very toxic to terrestrial invertebrates

Section 13: DISPOSAL INFORMATION

Product Disposal: Dispose of product only by using according to label or at an approved landfill. Do not burn.

Container Disposal: Triple rinse container and add rinsate to spray tank.
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 [Ph.0800 247 326, www.agrecovery.co.nz].

Otherwise crush or puncture and bury in an approved landfill. Do not burn container. 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:	1993
Proper Shipping Name:	FLAMMABLE, LIQUID, N.O.S. (contains dimethoate 40%, cyclohexanone, xylene)
DG Class:	6.1
Subsidiary Risk:	3
Packing Group:	III
MTQ (non-commercial)	250L
Marine Pollutant:	Yes
Hazchem Code:	3W
UERG number:	47
Other Information:	Do not carry this product on a passenger service vehicle. 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. Classified as Dangerous Goods by the criteria of International Air Transport Association (IATA) Dangerous Goods for transport by air.

Section 15: REGULATORY INFORMATION

ACVM:	Registered pursuant to the ACVM Act 1997, P2577 See www.foodsafety.govt.nz/ for registration conditions.
EPA:	Approved pursuant to the HSNO Act 1996, Code: HSR000965 See www.epa.govt.nz for approval controls.
Product Registered to:	Cheminova NZ Ltd 141 Powderham Street New Plymouth, Taranaki 4310

Section 16: OTHER INFORMATION

This MSDS 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.