

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **YATES NATURES WAY DERRIS DUST**

Recommended use of the chemical and restrictions on use: Insecticide dust for controlling caterpillars, aphids, white butterfly and other insect pests on vegetables and flowers.

Supplier: Yates New Zealand, a division of DuluxGroup (New Zealand) Pty Ltd
ABN 55 133 404 118
Co. 2355191

Street Address: The Gate Industrial Park,
373 Neilson St, Onehunga
Auckland, New Zealand

Telephone Number: +64 9 636 2800
Facsimile: +64 9 636 2802
Emergency Telephone: **0 800 734 607 (ALL HOURS)**

2. HAZARDS IDENTIFICATION

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

SIGNAL WORD: WARNING

Subclasses:

Subclass 9.1 Category A - Substances that are very ecotoxic in the aquatic environment.

Approval Number: HSR000194



Hazard Statement(s):

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

Prevention:

P103 Read label before use.
P273 Avoid release to the environment.

Response:

P391 Collect spillage.

Storage:

No storage statements.

Disposal:

P501 In case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.



3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Hazard Codes
Rotenone	83-79-4	5 g/kg	H301 H319 H335 H315 H400 H410
Ingredients determined not to be hazardous	-	to 100%	-

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Seek medical advice if effects persist.

Skin Contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Eye Contact:

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

Ingestion:

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice.

Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Not combustible, however, if material is involved in a fire use: Media applicable to surrounding fire.

Hazchem or Emergency Action Code: 2Z

Specific hazards arising from the substance or mixture:

Non-combustible material.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures/Environmental precautions:

If contamination of sewers or waterways has occurred advise local emergency services.

Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:

Contain - prevent run off into drains and waterways. Collect and seal in properly labelled containers.

7. HANDLING AND STORAGE

Precautions for safe handling: Keep out of reach of children. Avoid skin and eye contact and breathing in dust.

Conditions for safe storage, including any incompatibilities: Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Store away from foodstuffs. Keep containers closed when not in use - check regularly for spills.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Standards: No value assigned for this specific material by the New Zealand Department of Labour (Health & Safety). However, Workplace Exposure Standard(s) for constituent(s):

Rotenone (commercial): WES-TWA 5 mg/m³

As published by the New Zealand Department of Labour (Health & Safety).

WES - TWA (Workplace Exposure Standard - Time Weighted Average) - The eight-hour, time-weighted average exposure standard is designed to protect the worker from the effects of long-term exposure.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Appropriate engineering controls:

Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Individual protection measures, such as Personal Protective Equipment (PPE):

Avoid contact with eyes and skin and breathing in dust. Wash hands and exposed skin thoroughly after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Powder
Colour:	Brown
Odour:	Minimal
Solubility:	Insoluble in water.
Specific Gravity:	Not available
Vapour Pressure (20 °C):	Not applicable
Flash Point (°C):	Not applicable
Melting Point/Range (°C):	Not available
Decomposition Point (°C):	Not available

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of use. Product is stable for at least 2 years under ambient storage conditions.

Possibility of hazardous reactions: None known.

Conditions to avoid: Avoid contact with foodstuffs.

Incompatible materials: None known.

Hazardous decomposition products: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: No adverse effects expected, however, large amounts may cause nausea and vomiting.

Eye contact: May be an eye irritant.

Skin contact: Contact with skin may result in irritation.

Inhalation: Breathing in dust may result in respiratory irritation.

Acute toxicity: No LD50 data available for the product. For Rotenone (1):

Oral LD50 (rat): 132-1500 mg/kg

Dermal LD50 (rabbit): >5000 mg/kg

Chronic effects: No information available for the product.

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways and fishponds. Do not apply over, or allow dust to drift over an aquatic environment or outside the target area. For Rotenone:

Aquatic toxicity: Very toxic to aquatic organisms.

96hr LC50 (rainbow trout): 1.9 mg/L (1)

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Refer to local government authority for disposal recommendations. Dispose of contents/container in accordance with local/regional/national/international regulations.

14. TRANSPORT INFORMATION

Road and Rail Transport

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.



UN No: 3077
Transport Hazard Class: 9 Miscellaneous Dangerous Goods
Packing Group: III
Proper Shipping Name or Technical Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ROTENONE 0.5%)
Hazchem or Emergency Action Code: 2Z

Safety Data Sheet



Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN No: 3077
Transport Hazard Class: 9 Miscellaneous Dangerous Goods
Packing Group: III
Proper Shipping Name or Technical Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ROTENONE 0.5%)

Marine Pollutant Yes

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN No: 3077
Transport Hazard Class: 9 Miscellaneous Dangerous Goods
Packing Group: III
Proper Shipping Name or Technical Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ROTENONE 0.5%)

15. REGULATORY INFORMATION

Classification:

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

Subclasses:

Subclass 9.1 Category A - Substances that are very ecotoxic in the aquatic environment.

Approval Number: HSR000194

Hazard Statement(s):

H410 Very toxic to aquatic life with long lasting effects.

16. OTHER INFORMATION

(1) In: 'The Pesticide Manual'. 13th Edition. Ed. CDS Tomlin. British Crop Protection Society, 2003.

Reason(s) for Issue:

Revised Primary SDS
Alignment to HSNO requirements

Safety Data Sheet



This safety data sheet has been prepared by SDS Services.

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since DuluxGroup Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their DuluxGroup representative or DuluxGroup Limited at the contact details on page 1.

DuluxGroup Limited's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

DuluxGroup owns the Dulux trade mark in Australia, New Zealand, PNG and Fiji. It is not associated with and has no connection to the owners of the Dulux trade mark in other countries, nor does it sell Dulux products in other countries.