

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: YATES FUNGUS FIGHTER

Recommended Use: Broad-spectrum fungicide with systemic, curative and protectant activity against a range of fungal diseases on garden plants.

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: CHEMCALL 0800 243 622 (ALL HOURS)

2. HAZARDS IDENTIFICATION

Not classified as a Dangerous Good under NZS 5433:2007 Transport of Dangerous Goods on Land.

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



Subclasses:

Subclass 6.8 Category B - Substances that are suspected human reproductive or developmental toxicants.

Subclass 6.9 Category B - Substances that are harmful to human target organs or systems.

Subclass 9.1 Category C - Substances that are harmful in the aquatic environment.

Hazard and Precautionary Information:

Warning.

Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects. Read label before use. Read Safety Data Sheet before use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Use personal protective equipment as required. IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. Avoid release to the environment. Store locked up. 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 | Risk Phrases |
|--|------------|------------|--------------------|
| Myclobutanil | 88671-89-0 | 12 g/L | R22 R36 R51/53 R63 |
| Water and other non-hazardous components | - | to 100% | - |

4. FIRST AID MEASURES

Safety Data Sheet



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.

Medical attention and special treatment:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazards from combustion products:

Non-combustible material.

Precautions for fire fighters and special protective equipment:

Not combustible, however following evaporation of the water component of the material, the residual material can burn if ignited. On burning will emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable Extinguishing Media:

Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and clean up:

Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers. If contamination of sewers or waterways has occurred advise local emergency services.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact during pregnancy. Keep out of reach of children. Avoid skin and eye contact and breathing in vapour, mists and aerosols.

Conditions for safe storage: 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 leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH).

Engineering controls:

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

Product Name: YATES FUNGUS FIGHTER
Substance No: 000000020784

Issued: 22/04/2010
Version: 2

Personal Protective Equipment:

Avoid contact with eyes and skin and breathing in spray mist. Use with adequate ventilation. Wash hands and exposed skin thoroughly after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------------|------------------------------------|
| Physical state: | Liquid |
| Colour: | Amber |
| Solubility: | Emulsifiable with water. in water. |
| Specific Gravity: | 1.00 approx. |
| Relative Vapour Density (air=1): | Not available |
| Vapour Pressure (20 °C): | Not available |
| Flash Point (°C): | Not applicable |
| Boiling Point/Range (°C): | 100 (water) |
| Decomposition Point (°C): | Not available |
| pH: | Not available |
| Evaporation Rate: | 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. |
| Conditions to avoid: | Avoid contact with foodstuffs. Avoid exposure to extreme heat. |
| Incompatible materials: | Incompatible with oxidising agents. |
| Hazardous decomposition products: | Oxides of carbon. |
| Hazardous reactions: | Hazardous polymerisation will not occur. |

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 information available. |
| Eye contact: | May be an eye irritant. |
| Skin contact: | Contact with skin may result in irritation. |
| Inhalation: | Breathing in mists or aerosols may produce respiratory irritation. |

Long Term Effects:

Evidence indicates that repeated or prolonged exposure to this chemical could result in effects on the liver and reproductive system. Possible risk of harm to the unborn child.

Toxicological Data: No LD50 data available for the product. However, for constituent(s) (1):

Oral LD50 (rat): 1870-2090 (myclobutanil)

Dermal LD50 (rabbit): >5000 mg/kg (myclobutanil)

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways and fishponds. Do not allow spray to drift onto aquatic environments, other crops or desirable plants or outside the target area. For Myclobutanil (1) :

Aquatic toxicity: Toxic to aquatic organisms.

48hr LC50 (Daphnia magna): 11 mg/L

96hr LC50 (rainbow trout): 2 mg/L

13. DISPOSAL CONSIDERATIONS

Disposal methods:

Refer to local government authority for disposal recommendations. Rinse empty container, puncture and recycle or dispose of safely with domestic rubbish.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not classified as a Dangerous Good under NZS 5433:2007 Transport of Dangerous Goods on Land.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

15. REGULATORY INFORMATION

Classification:

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

Subclasses:

Subclass 6.8 Category B - Substances that are suspected human reproductive or developmental toxicants.

Subclass 6.9 Category B - Substances that are harmful to human target organs or systems.

Subclass 9.1 Category C - Substances that are harmful in the aquatic environment.

16. OTHER INFORMATION

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

Reason(s) for Issue:

5 Yearly Revised Primary SDS

Safety Data Sheet



This safety data sheet has been prepared by SH&E Shared 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.