

Safety Data Sheet

**HORTICO**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **HORTICO ROSE SPRAY READY TO USE**

Recommended Use: Ready to use combination insecticide and fungicide to control various pests and diseases on roses and ornamentals.

Supplier: Hortico, a Division of DuluxGroup (Australia) Pty Ltd
ABN: 67 000 049 427
Street Address: 1 Gow Street,
Padstow, NSW 2211
Australia
Telephone Number: +61 2 9781 8777
Facsimile: +61 2 9781 8825
Emergency Telephone: **1 800 033 111 (ALL HOURS)**

2. HAZARDS IDENTIFICATION

Based on available information, not classified as hazardous according to criteria of Safe Work Australia; NON-HAZARDOUS SUBSTANCE.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Poisons Schedule: S5 Caution.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
Tau-fluvalinate	102851-06-9	0.01%	R22 R38 R50/53
Myclobutanil	88671-89-0	0.005%	R22 R36 R51/53 R63
Inerts	-	<5%	-
Water	7732-18-5	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 contact occurs, remove contaminated clothing and wash skin with soap and water. If irritation occurs, seek medical advice.

Eye Contact:

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion:

Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

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Medical attention and special treatment:
Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazards from combustion products:
Non-combustible material.

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

6. ACCIDENTAL RELEASE MEASURES

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

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.

7. HANDLING AND STORAGE

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage:
Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Keep containers closed when not in use - check regularly for leaks.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No value assigned for this specific material by the National Occupational Health and Safety Commission.

Engineering controls:
Natural ventilation should be adequate under normal use conditions.

Personal Protective Equipment:

Avoid contact with eyes and skin. Do not inhale spray mist. Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Milky
Odour:	Mild
Solubility:	Miscible in water.
Specific Gravity:	1.00
Relative Vapour Density (air=1):	Not available

Product Name: HORTICO ROSE SPRAY READY TO USE
Substance No: 000000021317

Issued: 02/08/2011
Version: 2

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The logo for HORTICO, featuring the word "HORTICO" in a stylized, green, blocky font with a white outline, set against a bright orange background that is shaped like a curved banner.

9. PHYSICAL AND CHEMICAL PROPERTIES

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.
Conditions to avoid:	Avoid contact with foodstuffs.
Incompatible materials:	None known.
Hazardous decomposition products:	Hydrogen chloride. Hydrogen fluoride. Oxides of carbon. Oxides of nitrogen.
Hazardous reactions:	None known.

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 mists or aerosols may produce respiratory irritation.
Long Term Effects:	No information available for the product.

Toxicological Data: No LD50 data available for the product. However, for constituent(s) (1):
Oral LD50 (rat): 261-282 mg/kg (tau-fluvalinate); 1870-2090 (myclobutanil)
Dermal LD50 (rabbit): >2000 mg/kg (tau-fluvalinate); >5000 mg/kg (myclobutanil)

12. ECOLOGICAL INFORMATION

Ecotoxicity	Avoid contaminating waterways. For Tau-fluvalinate (1):
Aquatic toxicity:	Very toxic to aquatic organisms.
48hr LC50 (Daphnia magna):	0.001 mg/L
96hr LC50 (rainbow trout):	0.0027 mg/L

13. DISPOSAL CONSIDERATIONS

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13. DISPOSAL CONSIDERATIONS

Disposal methods:

Refer to local government authority for disposal recommendations.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

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: Based on available information, not classified as hazardous according to criteria of Safe Work Australia; NON-HAZARDOUS SUBSTANCE.

Poisons Schedule: S5 Caution.

This product is registered in Australia by the Australian Pesticides & Veterinary Medicines Authority (APVMA).

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

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.