

Sunny®

Section 1: Identification of the Substance or Mixture and of the Supplier

Product name:	Sunny
Other name:	50 g/litre uniconazole-p
Recommended use:	Plant Growth Regulator for Avocados
Company details:	GroChem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
Telephone:	+64 4 237 0905
Email:	grochem@grochem.com
Emergency telephone:	New Zealand 0800 CHEMCALL – 24 hours (0800 243 6225) Australia 1800 127 406 Other locations +64 4 917 9888 or The National Poisons Centre 0800 POISON (0800 764 766)
Date of preparation:	8 September 2017
	Read label and Safety Data Sheet before use Sunny® is a registered trademark of AQUAMARINE B.V.

Section 2: Hazards Identification

Hazard classification (Transport):	Not a Dangerous Good for transport.
Hazardous substances (HSNO):	6.9B (WARNING: May cause organ damage through prolonged or repeat exposure) 9.1C (Harmful to aquatic life with long lasting effects)



Section 3: Composition/Information on Ingredients

Classification & type:

Material	CAS No.	Proportion (%w)
Uniconazole-P	83657-17-4	5%
Other ingredients determined not to be hazardous		to 100%

Section 4: First Aid Measures

Symptoms of exposure:	No adverse health effects expected if the product is handled in accordance with this SDS and the product label. Symptoms that may arise if the product is mishandled are:
If Swallowed	May cause some discomfort but product is of low toxicity of effects are not expected to be significant.
If in Eyes	May cause minor irritation.
If on Skin	May cause minor irritation or reddening of the skin.
If Inhaled	Spray may irritate respiratory tract.
First aid actions:	Get medical advice/attention if you feel unwell.
If Swallowed	Give water to sip. DO NOT induce vomiting unless advised to do so by the poison centre or a doctor.
If in Eyes	Flush with fresh clean water for at least 15 minutes. Remove contact lenses if able to do so safely. Contact medical help at the earliest possible time.
If on Skin	Wash with soap and water.
If Inhaled	Move patient to fresh air. Consult a health professional if effects occur.
Workplace facilities:	Eyewash facilities should be provided.
Notes for medical personnel:	Treat symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard:	Not flammable
HAZCHEM code:	N/A
Combustion products:	Normal combustion forms carbon dioxide, water vapour and may produce oxides of nitrogen. Combustion may produce toxic compounds of chlorine. Incomplete combustion can produce carbon monoxide.
Extinguishing media & methods:	Use media suitable to flammable material involved in any fire – Do Not use water jets. Remain upwind and avoid breathing fumes. Contain runoff.
Recommended protective clothing:	Wear breathing apparatus and full body protection.

Section 6: Accidental Release Measures

Personal protection:	See Section 8.3 for appropriate PPE.
Containment and clean up:	Stop the source of the spill if it is safe to do so. Contain the spill to prevent further contamination of the soil, surface water, or ground water. Wear personal protective equipment as specified in Section 8. Do not allow material to enter sewers or bodies of water.
Small Spills (Liquid spill):	Apply absorbent inert material such as soil, dry sand or vermiculite to the spill area. Sweep up material when absorption is complete and contain in a refuse vessel for disposal. If necessary, wash the spill area with an alkali detergent and water and absorb and contain as above.
Large Spills (Liquid Spill):	Place leaking containers into salvage drums. Apply absorbent inert material such as soil, dry sand or vermiculite to the spill area. Form a barricade around spill and in front of drains or waterways in spill vicinity, using soil or other non reactive material. Sweep up material and contain in a refuse vessel for disposal. Contact emergency services as required.
Special requirements:	See Section 13 for instructions for the disposal of waste/contaminated material.
Spills in Water:	This material is water soluble. Stop or reduce contamination of any water. Isolate contaminated water. Remove contaminated water for treatment or disposal.
Disposal:	Contaminated material must be disposed of in accordance with all State and/or Local regulations.
Special requirements:	See Section 13 for instructions for the disposal of waste/contaminated material.

Section 7: Handling and Storage

Subsection 1:	Handling
Handling practices	Wear appropriate PPE as detailed in Section 8.3. Do not breathe mist/vapour/spray
Subsection 2:	Storage
Site requirements	Store in a cool dry place away from foodstuffs. Do not store for long periods in direct sunlight.

Section 8: Exposure Controls/Personal Protection

Subsection 1:	Workplace Exposure Guidelines (may also be considered in section 2)
Exposure standards	Not set.
Subsection 2:	Engineering Controls
Exposure control measures	Use outdoors or in a well ventilated area.
Subsection 3:	Personal Protective Equipment (PPE)
Detail specifications for equipment	Use chemical goggles and PVC gloves. Avoid breathing mist or spray – respiratory protection is recommended. Avoid skin contact with overalls.
General hygiene	Always wash exposed skin before eating or drinking and after work.

Section 9: Physical and Chemical Properties

Appearance	Milky liquid emulsion	pH	6.5-8.5
Odour	Mild	Boiling point (degC)	100
Specific gravity (kg/L)	1.041	Freezing point (degC)	Not available
Solubility	8.4ppm	Flashpoint (degC)	Not flammable

Section 10: Stability and Reactivity

Stability of substance:	Stable under normal circumstances.
Conditions to avoid:	Extremes of temperature and direct sunlight.
Material to avoid:	Avoid strong acids, bases and oxidisers.
Hazardous decomposition products:	May emit toxic fumes under fire conditions.
Hazardous polymerization:	Not known to occur.

Section 11: Toxicological Information

Data and interpretation:	LD50(oral) rat >2000mg/kg. See Section 2 for general hazard information.
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Section 12: Ecological Information

**DO NOT contaminate streams, rivers or waterways or dams with the chemical or used containers.
Do not allow the chemical to contact other crops, pastures or desirable vegetation.**

Potential environmental interactions:	LC50 Rainbow trout (96 hour) = 14.8 mg/L.
Environmental risk phrases:	Toxic to aquatic life with long lasting effects. Not toxic to bees.

Section 13: Disposal Considerations

Product disposal:	If use as per label direction is not possible return to supplier or dispose of at an appropriate disposal facility.
Container disposal:	Triple rinse into spray tank. Dispose of at an appropriate recycling facility. Do not burn.

Section 14: Transport Information

UN number:	N/A
DG class and subsidiary group:	N/A
Proper shipping name:	N/A
Packing group:	N/A
HAZCHEM code:	N/A

Section 15: Regulatory Information

Regulatory status:	Register pursuant to the ACVM 1997, P008090. See www.foodsafety.govt.nz for approval information. Approved pursuant to the HSNO Act 1996, HSR100373. See www.epa.govt.nz for approval conditions.
HSNO controls:	Trigger quantities for this substance:
SDS must be available for	1L
Signage	1000L
Emergency response plan	1000L
Bunding	1000L

Section 16: Other Information

Revision due:	7 September 2022.
Additional information:	Directions for use are found on the product label.
Glossary:	
ACVM	Agricultural Compounds and Veterinary Medicines (in relation to Group or Act 1997)
CAS	Chemical Abstract Services Number, used to uniquely identify chemical compounds
HSNO	Hazardous Substances and New Organisms (legislation 1996)
LC50	Lethal Concentration fatal to 50% of test animals/organisms
LD50	Lethal Dose to kill 50% of test animals/organisms
PPE	Personal Protective Equipment

This SDS summarises our best knowledge of the health and safety hazard information available for this product and how to safely handle and use it. Since the use of this information and the conditions of the use of this product are not under the control of GroChem, it is the user's responsibility to determine conditions of safe use of the product.