

# Gelseal Ultra Spray-on



## Section 1: Identification

Product name:	Gelseal Ultra Spray-on
Other names:	-
Recommended use:	Fungicide for the control of Eutypa dieback in grape vines.
Manufacturer/Importer details:	PGG Wrightson Ltd Agritrade 1 Robin Mann Place Christchurch Airport PO Box 292, Christchurch 8140
24 hour emergency contact:	Phone: 0800 10 22 76
National Poisons Centre:	0800 CHEMCALL (0800 243622) 0800 POISON (0800 764766)

## Section 2: Hazard identification

	Product is classified as hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020 of the HSNO Act, 1996.
HSNO Approval:	HSR101006
Hazardous classification:	Skin irritation Category 2, Eye irritation Category 2, Skin sensitization Category 1, Reproductive toxicity Category 2, Hazardous to the aquatic environment (acute) Category 1, Hazardous to the aquatic environment (chronic) Category 1, Hazardous to terrestrial vertebrates.



Signal word:	<b>WARNING</b>
Hazard statements:	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H361 Suspected of damaging fertility or the unborn child. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. Harmful to terrestrial vertebrates.



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Prevention statements:

P103 Read label before use.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P264 Wash hands and face thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective clothing including gloves, and face protection.  
P281 Use personal protective equipment as required.

Response statements:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P362 Take off contaminated clothing and wash before re-use.  
P333 +P313 If skin irritation or rash occurs: Get medical attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical attention.  
P308+P313 IF exposed or concerned: Get medical attention.  
P391 Collect spillage.

Storage statement: P405 Store locked up.

Disposal statement: P501 Dispose of product and containers in accordance with local Regulations. See Section 13 for details.

## Section 3: Composition/information on ingredients

Chemical identity of ingredients with health or environmental hazards:

<i>Ingredient</i>	<i>CAS No.</i>	<i>Proportion % w/w</i>
Tebuconazole	107534-96-3	< 41
Boric acid	10043-35-3	< 2
Octhilinone	26530-20-1	< 5
Propylene glycol	57-55-6	< 10
Glycerine	56-81-5	< 5
Other ingredients	Proprietary	< 20
Water	7732-18-5	Balance to 100

## Section 4: First-aid measures

If medical advice is needed, have product label or container at hand. For advice contact the National Poisons Centre (0800 POISON) or doctor.

Ingestion: Do NOT induce vomiting. Rinse mouth. Get medical attention. If conscious, give 3-4 glasses of water to dilute stomach contents.

Inhalation: If spray mist is inhaled remove from exposure to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if the person feels unwell.



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Skin contact:	Remove contaminated clothing and wash affected area thoroughly with plenty of soap and water. If skin irritation or rash occurs get medical attention. Wash contaminated clothing and dry, before re-use.
Eye contact:	Immediately rinse eyes with running water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, get medical attention.
First aid facilities:	Emergency showers and eyewashes to be available in the immediate vicinity of any potential exposure.
Advice to doctor:	Treat symptomatically.

## Section 5: Fire-fighting measures

Flammability:	Not flammable.
Appropriate extinguishing media:	Water spray, water fog, CO <sub>2</sub> , foam or dry extinguisher.
Combustion products:	Carbon dioxide and water. In case of incomplete combustion, carbon monoxide, hydrocarbons, aldehydes, ketones and acetic acid may be developed.
Special protective equipment and precautions for fire-fighters:	In case of fire wear full chemical resistant protective clothing and a self-contained breathing apparatus.
HAZCHEM:	3Z

## Section 6: Accidental release measures

Personal precautions:	Wear protective clothing including face shield, impervious gloves, overalls and boots.
Environmental precautions:	Contain spillage. Prevent from entering waterways.
Procedure for clean up:	Absorb spills with inert materials and place in appropriate labelled waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely at an approved facility.

## Section 7: Handling and storage

Safe handling:	Qualifications required for application of product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. When mixing or applying wear protective clothing such as impervious gloves, waterproof hat and trousers and face protection. Do not eat, drink or smoke while using. Wash hands and face thoroughly after use. Apply by ground-based methods only.
Safe storage:	Keep out of reach of children. Store in original container, tightly closed and in a locked, dry, cool, well-ventilated area away from foodstuffs, feeds, seeds, fertilizers, insecticides, or fungicides used for the protection of crops. Signage, secondary containment and an emergency response plan required when storing more than 100 L.

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## Section 8: Exposure controls/personal protection

Occupational exposure limits: Workplace exposure standards and biological exposure indices, November 2023, WORKSAFE.

	Ingredient	Form	WES-TWA	WES-STEL
	Glycerine	Mist	10 mg/m <sup>3</sup>	
	Propylene glycol	Vapour and particulates	474 mg/m <sup>3</sup> (150 ppm)	
		Particulates only	10 mg/m <sup>3</sup>	

Engineering protection: In a situation where vapours may be generated adequate ventilation must be provided.

Respiratory protection: Not required if adequate ventilation.

Hand protection: Impervious gloves.

Eye protection: Safety glasses with side shield or goggles.

Skin protection: Protective clothing and boots.

## Section 9: Physical and chemical properties

- (a) Appearance: White liquid suspension.
- (b) Odour: No data available.
- (c) Odour threshold: No data available.
- (d) pH: 7.5-9.0
- (e) Melting point/freezing point: No data available.
- (f) Initial boiling point and boiling range: No data available.
- (g) Flash point: Not flammable.
- (h) Flammability (solid, gas): Not applicable.
- (i) Upper/lower flammability or explosive limits: Not applicable.
- (j) Vapour pressure: No data available.
- (k) Vapour density: No data available.
- (l) Relative density: 1.1
- (m) Solubility: Dispersible in water.
- (n) Partition coefficient: n-octanol/water: No data available.
- (o) Auto-ignition temperature: No data available.
- (p) Decomposition temperature: No data available.
- (q) Kinematic viscosity: No data available.



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<b>Section 10: Stability and reactivity</b>	
Stability of the substance:	Stable under normal storage and handling conditions.
Incompatible materials:	Strong oxidizing/reducing agents.
Hazardous decomposition products:	Carbon dioxide, carbon monoxide, hydrocarbons, aldehydes, ketones, and acetic acid.
<b>Section 11: Toxicological information</b>	
	Toxicity classifications determined by assessment of the components in the formulated mixture.
(a) Acute toxicity:	May be harmful if ingested, in contact with skin, or inhaled.
(b) Aspiration hazard:	Not classified as aspirant hazard
(c) Respiratory irritation:	Not classified as respiratory irritant.
(d) Skin corrosion / irritation:	Irritating to the skin.
(e) Serious eye damage / irritation:	Irritating to the eye.
(f) Respiratory or skin sensitization:	Contact sensitizer.
(g) Germ cell mutagenicity:	Not classified as a mutagen.
(h) Carcinogenicity:	Not classified as a carcinogen.
(i) Reproductive toxicity:	Tebuconazole suspected of damaging fertility or the unborn child.
(j) Specific organ toxicity:	May be harmful to the liver through repeated oral exposure.
(k) Narcotic effects:	Not classified.
(l) Other information:	Not available.
Toxicological information for active ingredients:	<p>Octhilinone - Oral LD<sub>50</sub> (rat): 550 mg/kg Dermal LD<sub>50</sub> (rabbit): 690 mg/kg</p> <p>Tebuconazole - Oral LD<sub>50</sub> (mouse): 1615 mg/kg Oral LD<sub>50</sub> (rat, male): 4000mg/kg Dermal LD<sub>50</sub> (rat): &gt; 5000mg/kg</p>
<b>Section 12: Ecological information</b>	
Ecotoxicological classifications determined by assessment of the components in the formulated mixture.	
(a) Aquatic life	Very ecotoxic in the aquatic environment with long lasting effects.
(b) Terrestrial vertebrate toxicity:	Harmful to terrestrial vertebrates.
(c) Terrestrial invertebrate toxicity:	Not classified.
(d) Persistence and degradability:	Not expected to rapidly degrade. Tebuconazole - DT <sub>50</sub> (anaerobic): 866 days DT <sub>50</sub> (aerobic): 1386 days



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(e)	Potential to be bioaccumulative:	No data to indicate bioaccumulation risk.
(f)	Mobility in soil:	Product disperses in water.
(g)	Other information:	No information.
Ecotoxicological information for active ingredients:		
	Octhilinone -	Rainbow trout LC <sub>50</sub> (96 hour): 0.047mg/l <i>Daphnia magna</i> EC <sub>50</sub> (48 hour): 0.180 mg/l Algae EC <sub>50</sub> (72 hour): 0.084mg/l Northern bobwhite LD <sub>50</sub> 21 days: 346mg/kg
	Tebuconazole -	Rainbow trout LC <sub>50</sub> (96 hour): 4.4mg/L <i>Daphnia magna</i> EC <sub>50</sub> (48 hour): 4mg/L <i>Lemna gibba</i> frond EC <sub>50</sub> (72 hour) 0.01444mg/L Bobwhite quail (acute oral) LD <sub>50</sub> : 1555mg/kg

## Section 13: Disposal considerations

Product disposal:	Dispose of this product only by using according to the label or through Agrecovery chemical disposal or similar approved service or at an approved landfill.
Container disposal:	Triple rinse empty container adding rinsate to the spray tank. Recycle through Agrecovery if possible or appropriate recycling facility. Otherwise crush and bury in an approved landfill. Do not use container for any other purpose.

## Section 14: Transport information

UN number:	3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Contains Tebuconazole 41%, Octhilinone <5%)
UN class:	9
Packing group:	III
HAZCHEM:	3Z
Marine Pollutant:	Yes.
	This product is classified as a Dangerous Good. Consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2012 Transport of Dangerous Goods on Land for more information.

## Section 15: Regulatory information

HSNO:	Approved substance under the HSNO Act 1996.
Substance approval number:	HSR101006
Tolerable exposure limit:	Refer to <a href="http://www.worksafe.govt.nz">www.worksafe.govt.nz</a>
HSNO controls:	See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a>
Additional controls:	A maximum application rate is set for this substance. Tebuconazole: 150g a.i. per ha. Maximum application frequency of once per year.



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	This substance must not be applied onto or into water.
	The method of application of the substance shall be limited to ground-based application only.
ACVM:	Registered under the Agricultural Compounds Veterinary Medicines Act 1997.
Registration number:	P9046
Conditions of registration:	See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a>

## Section 16: Other information

Date of issue:	15 March 2024
Reason for reissue:	Review of SDS format and update or correct product information.
Replaces:	SDS issued 18/03/2019.
Information references:	Supplier Safety Data Sheet NZ EPA Approved hazardous substances with controls
Abbreviations:	ACVM: Agricultural Chemicals and Veterinary Medicines Group HSNO: Hazardous substances and New Organisms Act 1996 (HSNO Act) EPA: Environmental Protection Authority of New Zealand CAS Number: Chemical Abstracts Service Number LD50: Lethal Dose 50% (Population) LC50: Lethal Concentration 50% (Population) WES-TWA: Workplace exposure standards – Time-weighted average WES-STEL: Workplace exposure standards – Short-term exposure limit
Personal Protection Standards:	The following Standards provide general advice regarding safety clothing and equipment: Respiratory equipment: <b>AS/NZS 1715</b> , Protective Gloves: <b>AS 2161</b> , Occupational Protective Clothing: <b>AS/NZS 4501</b> , Industrial Eye Protection: <b>AS1336</b> and <b>AS/NZS 1337</b> , Occupational Protective Footwear: <b>AS/NZS2210</b>

The data provided in this safety data sheet is based on current knowledge and experience. The purpose of this document is to describe the product in terms of its safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.