

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 (Classification) Notice 2017 of the HSNO Act, 1996.

HSNO Approval: HSR101006

Hazardous classification: 6.1E, 6.3A, 6.4A, 6.5B, 6.8B, 6.9B, 9.1A, 9.3C



Signal word: **WARNING**

Hazard statements: H303 May be harmful if swallowed.
H313 May be harmful in contact with skin.
H333 May be harmful if inhaled.
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.
H373 May cause damage to organs from repeated oral exposure.
H410 Very toxic to aquatic life with long lasting effects.
H433 Harmful to terrestrial vertebrates.

Prevention statements: P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe spray mist.
P264 Wash hands and face thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.



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Response statements:	<p>P273 Avoid release to the environment. P280 Wear protective clothing including gloves, and face protection. P281 Use personal protective equipment as required.</p> <p>P101 If medical advice is needed, have product container or label at hand. P314 Call a POISON CENTRE or doctor if you feel unwell. 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. P304+P312 IF INHALED: Call a POISON CENTRE or doctor if you feel unwell. 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.</p>
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	56-81-5	< 10
Glycerine	56-81-5	< 5
Other ingredients	Proprietary	< 20
Water	7732-18-5	Balance to 100

Section 4: First-aid measures

Ingestion:	Do NOT induce vomiting. 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.
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 dray, before re-use.
Eye contact:	

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First aid facilities:	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.			
Advice to doctor:	Emergency showers and eyewashes to be available in the immediate vicinity of any potential exposure. Treat symptomatically.			
Section 5: Fire-fighting measures				
Flammability:	Not flammable.			
Appropriate extinguishing media:	Water spray, water fog, CO ₂ , 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:	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.			
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, fertilisers, insecticides, or fungicides used for the protection of crops.			
Section 8: Exposure controls/personal protection				
Occupational exposure limits:	<i>Ingredient</i>	<i>Form of exposure</i>	<i>WES-TWA</i>	<i>WES-STEL</i>

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	Glycerine	Mist	10 mg/m ³	-
	Propylene glycol	Vapour and particulates: Particulates only:	474 mg/m ³ (150 ppm) 10 mg/m ³	-
Engineering controls:	In a situation where vapours may be generated adequate ventilation must be provided.			
Respiratory protection:	Not required is 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.		
Section 10: Stability and reactivity				
Stability of the substance:	Stable under normal storage and handling conditions.			
Incompatible materials:	Strong oxidising/reducing agents.			
Hazardous decomposition products:	Carbon dioxide, carbon monoxide, hydrocarbons, aldehydes, ketones, and acetic acid.			



Section 11: Toxicological information

	<p>Toxicity classifications determined by assessment of the components in the formulated mixture.</p>
(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 sensitisation:	Contact sensitiser.
(g) Germ cell mutagenicity:	Not classified as a mutagen.
(h) Carcinogenicity:	Not classified as a carcinogen.
(i) Reproductive toxicity:	Suspected of damaging fertility or the unborn child.
(j) Specific organ toxicity:	Harmful to the liver through repeated oral exposure.
(k) Narcotic effects:	Not classified.
(l) Other information:	Not available.

Toxicological information for active ingredients:	Octhilinone -	Oral LD ₅₀ (rat): 550 mg/kg
		Dermal LD ₅₀ (rabbit): 690 mg/kg
	Tebuconazole -	Oral LD ₅₀ (mouse): 1615 mg/kg
		Oral LD ₅₀ (rat, male): 4000mg/kg Dermal LD ₅₀ (rat): > 5000mg/kg

Section 12: Ecological information

	<p>Ecotoxicological classifications determined by assessment of the components in the formulated mixture.</p>
(a) Aquatic toxicity:	Very ecotoxic in the aquatic environment with long lasting effects.
(b) Soil environment:	Not classified.
(c) Terrestrial vertebrate toxicity:	Harmful to terrestrial vertebrates.
(d) Terrestrial invertebrate toxicity:	Not classified.
(e) Persistence and degradability:	Not expected to rapidly degrade. Tebuconazole - DT ₅₀ (anaerobic): 866 days DT ₅₀ (aerobic): 1386 days
(f) Potential to be bioaccumulative:	No data to indicate bioaccumulation risk.
(g) Mobility in soil:	Product disperses in water.
(h) Other information:	No information.

Ecotoxicological information for active ingredients:	Octhilinone -	Rainbow trout LC ₅₀ (96 hour): 0.047mg/l
		<i>Daphnia magna</i> EC ₅₀ (48 hour): 0.180 mg/l
		Algae EC ₅₀ (72 hour): 0.084mg/l
		Northern bobwhite LD ₅₀ 21days: 346mg/kg
	Tebuconazole -	Rainbow trout LC ₅₀ (96 hour): 4.4mg/l

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Daphnia magna EC₅₀ (48 hour): 4mg/l
Lemna gibba frond EC₅₀ (72 hour) 0.01444mg/L
Bobwhite quail (acute oral) LD₅₀: 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 www.worksafe.govt.nz

HSNO controls: See www.epa.govt.nz

Additional controls: A maximum application rate is set for this substance.
Tebuconazole: 150g a.i. per ha.
Maximum application frequency of once per year.

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 www.foodsafety.govt.nz

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Section 16: Other information

Date of issue:	18 March 2019
Reason for reissue:	Review of SDS format and product information.
Replaces:	SDS issued 18/12/2018.
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

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.