

Gelseal Ultra Spray-on

Section 1: Identification

Product name: Gelseal Ultra Spray-on

Recommended use: Fungicide for the control of Eutypa dieback in grape vines.

Manufacturer/Importer details: PGG Wrightson Ltd
57 Waterloo Rd
Hornby, Christchurch
New Zealand

Phone: 0800 10 22 76

24 hour emergency contact: 0800 CHEMCALL (0800 243622)

National Poison Centre: 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 from repeated oral exposure.
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: P102 Keep out of reach of children.
P202 Do not handle until all safety precautions have been read and understood.
P264 Wash hands and face thoroughly after handling.
P280 Wear protective clothing including gloves, and face protection.
P260 Do not breathe spray mist.
P272 Contaminated work clothing should not be allowed out of the workplace.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.



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Response statements:	<p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P304+P312 IF INHALED: Call a POISON CENTRE or doctor if you feel unwell.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P362 Take off contaminated clothing and wash before re-use.</p> <p>P332+P313 If skin irritation occurs: Get medical attention.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical attention.</p> <p>P308+P313 IF exposed or concerned: Get medical attention.</p> <p>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%
Non-hazardous excipients	-	< 15%
Water	7732-18-5	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. 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 occurs get medical attention.
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.
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Appropriate extinguishing media:	Water, water fog, CO ₂ , foam or dry extinguisher.
Combustion products:	CO ₂ and water. In case of incomplete combustion, carbon monoxide, hydrocarbons, aldehydes, ketones and acetic acid may be developed.

Section 6: Accidental release measures

Personal precautions:	Wear protective clothing including face shield, impervious gloves, overalls and boots.
Environmental precautions:	Prevent material 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:	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:	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:	<table border="1"> <thead> <tr> <th><i>Ingredient</i></th> <th><i>Form of exposure</i></th> <th><i>WES-TWA</i></th> <th><i>WES-STEL</i></th> </tr> </thead> <tbody> <tr> <td>Glycerin mist</td> <td>Oral</td> <td>10 mg/m³</td> <td>-</td> </tr> </tbody> </table>				<i>Ingredient</i>	<i>Form of exposure</i>	<i>WES-TWA</i>	<i>WES-STEL</i>	Glycerin mist	Oral	10 mg/m ³	-
<i>Ingredient</i>	<i>Form of exposure</i>	<i>WES-TWA</i>	<i>WES-STEL</i>									
Glycerin mist	Oral	10 mg/m ³	-									
Engineering controls:	In a situation where vapours may be generated proper ventilation must be provided.											
Respiratory protection:	Not required is adequate ventilation.											
Hand protection:	Impervious gloves.											
Eye protection:	Safety glasses or goggles.											
Skin protection:	Protective clothing and boots.											

Section 9: Physical and chemical properties

(a) Appearance:	White liquid.
(b) Odour:	No data available.
(c) Odour threshold:	No data available.
(d) pH:	7.5-9.0

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(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 monoxide, hydrocarbons, aldehydes, ketones, and acetic acid.
Section 11: Toxicological information		
		Toxicity classifications determined by assessment of the components in the formulated mixture.
(a)	Acute toxicity:	May be harmful.
(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 human reproductive or developmental toxicant.
(j)	Specific organ toxicity:	Harmful to the liver through repeated oral exposure.

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(k) Narcotic effects:	Not classified.
Toxicological information for active ingredients:	<p>Octhilinone Acticide formulation - Oral LD₅₀ (rat): 279mg/kg - Dermal LD₅₀ (rat): > 2000mg/kg</p> <p>Tebuconazole - Oral LD₅₀ (rat, male): 4000mg/kg - Dermal LD₅₀ (rat): > 5000mg/kg</p>
Section 12: Ecological information	
	Ecotoxicological classifications determined by assessment of the components in the formulated mixture.
(a) Aquatic toxicity:	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:	Tebuconazole - DT ₅₀ (anaerobic): 866 days DT ₅₀ (aerobic): 1386 days
(e) Potential to be bioaccumulative:	No data.
(f) Mobility in soil:	No data.
Ecotoxicological information for active ingredients:	<p>Octhilinone - Rainbow trout LC₅₀ (96 hour): 0.03mg/l Daphnia LC₅₀ (48 hour): 0.42 mg/l Algae EC₅₀ (72 hour): 0.084mg/l</p> <p>Tebuconazole - Rainbow trout LC₅₀ (96 hour): 4.4mg/l Bluegill sunfish LC₅₀ (96 hour): 5.7mg/l Daphnia LC₅₀ (48 hour): 4.2mg/l Algae EC₅₀ (96 hour): 4.01mg/l Bobwhite quail (acute oral) LD₅₀: 1555mg/kg</p>
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 (Tebuconazole 41%, Octhilinone 5%)
UN class:	9
Packing group:	III
Environmental hazards:	Marine pollutant.



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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.
HSNO approval number:	HSR101006
Tolerable exposure limit:	Glycerin mist, 10mg/m ³
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.
ACVM registration number:	P9046
Conditions of registration:	See www.foodsafety.govt.nz

Section 16: Other information

Date of issue:	18/12/2018
Reason for reissue:	Updated regulations.
Replaces:	SDS issued March 2016
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.