



Swap 375 + 250 WG

Section 1: Identification

Product name:	Swap 375 + 250 WG
Other names:	375 g/kg Cyprodinil and 250 g/kg Fludioxonil as a water dispersible granule.
Recommended use:	For the control of Botrytis in Grapes and Onions, Botrytis, Anthracnose and Rhizopus in Strawberries and Botrytis and Anthracnose in Blueberries
Manufacturer/Importer details:	AgStar New Zealand Pty Ltd 4 Putakitaki Street, Lincoln, Christchurch 7608
Distributor:	Farmlands Co-operative Society Limited 535 Wairakei Road, Burnside, Christchurch 8053 TEL 0800 200 600
24 hour emergency contact:	0800 CHEMCALL (0800 243622)
National Poisons Centre:	0800 POISON (0800 764766)

Section 2: Hazard identification

HSNO Approval:	Product is classified as hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020 of the HSNO Act, 1996.
Hazardous classification:	HSR100937 Specific target organ toxicity (repeated exposure) Category 2, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1.
Pictograms:	 
Signal word:	WARNING
Hazard statements:	H373 May causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects Harmful to terrestrial vertebrates
Prevention statements:	P102 Keep out of reach of children. P103 Read label before use. P260 Do not breathe dust/fume/gas/mist/vapors/spray P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P280 Wear protective gloves

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Response statements:	P101 If medical advice is needed, have product container or label at hand. P314 Get medical advice/attention if you feel unwell. P391 Collect spillage
Storage statements:	-
Disposal statement:	P501 Dispose of product and containers in accordance with local Regulations. See Section 13 for details.
Additional Label Requirements:	Do not apply into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Section 3: Composition/information on ingredients

Chemical identity of ingredients with health or environmental hazards:

<i>Ingredient</i>	<i>CAS No.</i>	<i>Proportion %</i>
Cyprodinil	121552-61-2	37.5
Fludioxonil	131341-86-1	25
Non-hazardous ingredients	Proprietary	Balance

Section 4: First-aid measures

First aid measures:	If medical advice is needed, have product container or label at hand. For advice contact National Poisons Centre 0800 POISON [0800 764 766] or a doctor immediately.
Ingestion:	Do NOT induce vomiting. Rinse mouth. Get medical advice.
Inhalation:	Immediately move to fresh air and keep at rest until recovered. Begin artificial respiration if the victim is not breathing. Use mouth to nose rather than mouth to mouth.
Skin contact:	Remove contaminated clothing and wash skin and hair with plenty of soap and water. If irritation occurs, or rash develops, get medical attention.
Eye contact:	Wash out immediately with running water and keep rinsing for 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation persists.
First aid facilities:	Provide eye baths and safety showers close to areas where product contact or splashing may occur.
Advice to doctor:	Treat symptomatically.

Section 5: Fire-fighting measures

Flammability:	Non-flammable
Appropriate extinguishing media:	Water spray, carbon dioxide or dry chemical as appropriate to surrounding materials
Hazardous decomposition products:	Not a fire or explosion hazard
Special protective equipment and precautions for fire-fighters:	In the event of fire, wear self-contained breathing apparatus. Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Prevent run-off from contaminating drains, sewers or waterways.

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Inform appropriate authorities immediately if product or run-off enters waterways.													
HAZCHEM code:	2Z												
Section 6: Accidental release measures													
Personal precautions:	Wear protective clothing (overalls buttoned at wrist and neck), chemical resistant gloves and boots and chemical goggles or face shield.												
Environmental precautions:	Contain and collect spillage. Prevent chemical contaminating drains or watercourses by activating emergency shut-off valves or using bunding. Inform appropriate authorities immediately if spill enters waterways or sewers. Prevent chemical contaminating soil.												
Procedure for clean up:	Collect spill and absorb residues with inert absorbent material such as sand, soil or clay granules. Collect into an appropriate, labelled, waste container and dispose of at an approved facility. Prevent runoff entering waterways or contaminating the soil.												
Section 7: Handling and storage													
Safe handling:	Read label before use. Use only outdoors or in a well-ventilated area. Wear protective clothing; chemical goggles or a face shield, impervious gloves, overalls and boots when handling.. Wash splashes from skin immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash contaminated clothing before re-use.												
Safe storage:	Keep out of reach of children. Store in the original, tightly closed container, in a secure place away from foodstuffs. Storage must be in accordance with the current version of NZS 8409 Management of Agrichemicals. Storage of 100kg or more requires signage, secondary containment and an emergency response plan.												
Section 8: Exposure controls/personal protection													
Occupational exposure limits:	<table><tr><th>Ingredient</th><th>CAS No.</th><th>WES-TWA</th><th>WES-STEL</th></tr><tr><td>Cyprodinil</td><td>121552-61-2</td><td>-</td><td>-</td></tr><tr><td>Fludioxonil</td><td>131341-86-1</td><td>-</td><td>-</td></tr></table>	Ingredient	CAS No.	WES-TWA	WES-STEL	Cyprodinil	121552-61-2	-	-	Fludioxonil	131341-86-1	-	-
Ingredient	CAS No.	WES-TWA	WES-STEL										
Cyprodinil	121552-61-2	-	-										
Fludioxonil	131341-86-1	-	-										
Biological limit value:	None set as of WorkSafe’s 14 th edition of WES and BEI values, published November 2023.												
Engineering controls:	Use only in well-ventilated areas. If necessary, use local exhaust ventilation to keep airborne concentration below the exposure limits.												
Respiratory protection:	Wear half or full mask fitted with vapour filter when mixing or applying spray.												
Hand protection:	Elbow length, chemical resistant gloves (e.g. PVC, rubber, neoprene or nitrile). Goggles with side pieces or a face shield.												

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Eye protection:	Overalls and PVC or rubber boots.
Skin protection:	
General hygiene:	Do not eat, drink or smoke while using. Wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing daily after work.
Personal Protection:	Further information on specific types of personal protective gear and related standards is available in Section 16.

Section 9: Physical and chemical properties

(a)	Appearance:	Off-white to slight brown granule
(b)	Odour:	Slight
(c)	Odour threshold:	Not available.
(d)	pH:	8.0 – 10.0 (1% aqueous)
(e)	Melting point/freezing point:	Not available.
(f)	Initial boiling point and boiling range:	No data available
(g)	Flash point:	No data available
(h)	Flammability (solid, gas):	Not applicable.
(i)	Upper/lower flammability or explosive limits:	Not available.
(j)	Vapour pressure:	No data available.
(k)	Vapour density:	No data available
(l)	Relative density:	No data available
(m)	Solubility:	Forms suspension in water.
(n)	Partition coefficient: n-octanol/water:	Not available.
(o)	Auto-ignition temperature:	Not available.
(p)	Decomposition temperature:	Not available.
(q)	Kinematic viscosity:	Not available.
(r)	Particle characteristics	Not applicable.

Section 10: Stability and reactivity

Stability of the substance:	Stable under normal conditions.
Conditions to avoid:	Ignition sources (heat, spark, open flames)
Incompatible materials:	Strong acid/alkaline
Hazardous decomposition products:	If involved in a fire, may evolve toxic/harmful compounds including oxides of carbon.

Section 11: Toxicological information

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		<p>Toxicity classifications determined by assessment of the components in the formulated mixture.</p> <p>a) Acute toxicity: Not classified</p> <p>b) Aspiration hazard: Not classified</p> <p>c) Respiratory irritation: Not classified</p> <p>d) Skin corrosion / irritation: Not classified</p> <p>e) Serious eye damage / irritation: Not classified</p> <p>f) Respiratory or skin sensitisation: Not classified.</p> <p>g) Germ cell mutagenicity: Not classified.</p> <p>h) Carcinogenicity: Not classified.</p> <p>i) Reproductive toxicity: Not classified</p> <p>j) Specific organ toxicity: May cause organ damage from repeated oral exposure.</p> <p>k) Narcotic effects: Not classified.</p> <p>l) Other adverse effects: No information.</p> <p>m) Toxicological information for</p> <p>Cyprodinil :</p> <p>Acute Oral LD50 (rat) > 2000mg/kg</p> <p>Acute Dermal LD50 (rat) >2000mg/kg</p> <p>Inhalation LC50 4h (rat) >1200 mg/l</p> <p>Fludioxonil:</p> <p>Acute Oral LD50 (rat) > 5000mg/kg</p> <p>Acute Dermal LD50 (rat) >2000mg/kg</p> <p>Inhalation LC50 4h (rat) >2600 mg/l</p>
Section 12: Ecological information		
		<p>Ecotoxicological classifications determined by assessment of the active ingredient.</p> <p>(a) Aquatic ecotoxicity: Very toxic to aquatic life and with long-lasting effects</p> <p>(b) Soil ecotoxicity: Not classified</p> <p>(c) Terrestrial vertebrate ecotoxicity: Harmful to terrestrial vertebrates</p> <p>(d) Terrestrial invertebrate ecotoxicity: Not classified.</p> <p>(e) Persistence and degradability: No data available</p> <p>(f) Potential to be bioaccumulative: No data available</p> <p>(g) Mobility in soil. No data available</p> <p>(h) Ecotoxicological information for active ingredient</p> <p>Cyprodinil :</p> <p>Fish: LC50 (96hr) for Rainbow trout is 6.2 mg/l</p> <p>Daphnia: EC50 (48hr) for water flea is 0.14 mg/l</p> <p>Algae: EC50 (72hr) for green algae is 6.2 mg/l</p> <p>Birds: LD50 for bobwhite quail is >2,000 mg/kg</p> <p>Worms: LC50 (14d) for earthworm is 192 mg/kg soil</p> <p>Bee: LD50 (48hr) for Bees is >100 µg/kg</p> <p>Fludioxonil</p> <p>Fish: LC50 (96hr) for Rainbow trout is 0.5 mg/l</p>

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Algae: EC50 (72hr) for green algae is 0.93 mg/l
Birds: LD50 for bobwhite quail is >2,000 mg/kg
Bee: LD50 (48hr) for Bees is >100 µg/kg

Section 13: Disposal considerations

Product disposal: Dispose of this product only by using according to the label directions or if this is not possible contact your supplier for advice.

Container disposal: Triple rinse container and add rinsate to the spray tank. Recycle clean containers at an agricultural recycling facility , or puncture and dispose of at an approved landfill. Do not burn. Do not use container for any other purpose.

Section 14: Transport information

UN number: 3077
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (CYPRODINIL 38%, FLUDIOXONIL 25%)
UN class: 9
Packing group: III
HAZCHEM: 2Z
Marine pollutant: Yes
Special precautions: -
This product is classified as a Dangerous Good Class 9. Consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2020 Transport of Dangerous Goods on Land for more information.

Section 15: Regulatory information

HSNO: Approved substance under the HSNO Act 1996.
Substance approval number: HSR100937
Tolerable exposure limit / environmental exposure limit: No limits set.
HSNO controls: See www.epa.govt.nz

Qualifications	Yes
Tracking:	No
Safety Data Sheet:	Any quantity
Restricted to workplace only:	No
Quantity that must be secured when unattended:	-
Fire extinguishers	-
Quantity for secondary containment and emergency response plan:	100 KG
Quantity for signage:	100 KG
Quantity for Location certificate	-
Records of use (3 kg or more applied to area within 24 hours)	Yes

	Quantity that requires management in accordance with HSW HS Regulations Hazardous Substances (Packaging) Notice 2017; Clause 9	- UN Pack Group III
Additional controls:	-	
Additional information:	Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Refer to WorkSafe for additional information on controls in the workplace; www.worksafe.govt.nz .	
ACVM:	Registered under the Agricultural Compounds Veterinary Medicines Act 1997.	
Registration number:	P10008	
Conditions of registration:	See www.foodsafety.govt.nz	
Section 16: Other information		
Date of issue:	03/09/2025	
Reason for reissue:	Updated label	
Replaces:	Not applicable	
Information references:	Supplier Safety Data Sheet NZ EPA Approved hazardous substances databases. Workplace Exposure Standards and Biological Exposure Indices	
Abbreviations:	ACVM: Agricultural Chemicals and Veterinary Medicines Group Bw: Bodyweight. 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: AS/NZS 1715 , Protective Gloves: AS 2161 , Occupational Protective Clothing: AS/NZS 4501 , Industrial Eye Protection: AS1336 and AS/NZS 1337 , Occupational Protective Footwear: AS/NZS2210	

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.