

## SAFETY DATA SHEET

### Scylla™

#### SECTION 1: IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

##### 1.1 Identifiers

Product Name: SCYLLA™  
 Other Name(s): Water dispersible granule containing cyprodinil 375 g/kg and fludioxonil 250 g/kg

##### 1.2 Recommended use of the chemical and restrictions on use

Product Use: A fungicide for the control of *Botrytis* in Grapes and Onions, *Botrytis*, Anthracnose and *Rhizopus* in Strawberries and *Botrytis* and Anthracnose in Blueberries.

##### 1.2 Supplier contact details:

Company Name	Grosafe Chemicals limited
Address	20 Jean Batten Drive, Mt Maunganui 3116
Telephone	0800 220 002
Email	<a href="mailto:info@grosafe.co.nz">info@grosafe.co.nz</a>

**Emergency Telephone Number (24 Hours)** 0800 CHEMCALL (0800 243 622)

#### SECTION 2: HAZARD IDENTIFICATION

##### 2.1 Classification of the Hazardous Chemical

Hazardous substance according to Hazardous Substances and New Organisms (HSNO) Act 1996 Approval Code HSR100937

**Hazard Classifications:** Specific target organ toxicity – repeated exposure Category 2; Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1; Hazardous to terrestrial vertebrates.

##### 2.2 Label elements:

###### Pictograms:



**Signal Word:** WARNING

###### Hazard statements:

H373 May cause damage to organs through prolonged or repeated oral exposure  
 H400 Very toxic to aquatic life  
 H410 Very toxic to aquatic life with long lasting effects  
 Harmful to terrestrial vertebrates

###### Precautionary statements:

###### Prevention

P102 Keep out of reach of children  
 P103 Read label before use.  
 P260 Do not breathe dust/mist/spray

###### Response



P314 Get medical advice/attention if you feel unwell.

P391 Collect spillage.

*Storage*

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*Disposal*

P501 Dispose of contents/container in accordance with local regulations,

**Additional labelling statements required under Hazardous Substances (Labelling) Notice 2017.**

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Do not apply directly into or onto water.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS	Proportion
Cyprodinil	121552-61-2	37.5
Fludioxonil	131341-86-1	25.0
Other ingredients	Trade secret	up to 100%

This is a commercial product whose exact ratio of components may vary slightly.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### General Information:

For advice call the National Poison Centre, telephone 0800 POISON [0800 764 766]. Have product label or container at hand.

**IF SWALLOWED:** Do NOT induce vomiting. Rinse mouth. Get medical advice/attention if you feel unwell.

**IF ON SKIN:** Wash affected area with soap and water. If irritation persists get medical advice/attention.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists then get medical advice/attention.

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. If person is experiencing respiratory problems, then get medical advice/attention.

#### 4.2 Symptoms caused by exposure

None specified.

#### 4.3 Medical attention and special treatment

Treat symptomatically.

### SECTION 5: FIRE FIGHTING MEASURES

#### 5.1 Suitable extinguishing media

Use water spray, alcohol resistant foam, dry powder or carbon dioxide. Contain to prevent runoff into drains, sewers, waterways.

#### 5.2 Specific hazards arising from the chemical

Fire decomposition products are likely to be irritating/harmful if inhaled. Evacuate people to safe area upwind of fire.

#### 5.3 Special protective equipment and precautions for fire fighters

Wear full personal protective equipment including with self-contained breathing apparatus (SCBA).



## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

In the event of an accidental spill, wear full protective clothing including eye and face protection. Wash contaminated personal protective equipment and clothing, and dry before re-use.

### 6.2 Environmental precautions

Prevent spillage from entering drains or waterways. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

### 6.3 Methods and materials for containment and cleaning up

Contain spilled material. Collect granules for reuse or disposal. For small liquid spills, use absorbent material such as sand, soil, vermiculite and recover into labelled drums that can be sealed for safe disposal. For large liquid spills, recover liquid into labelled containers then absorb remaining liquid and transfer to drums for disposal. Clean area with water and detergent. Dispose of contaminated materials to approved landfill in accordance with local regulations.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Read the label before use. Avoid contact with skin and eyes. Wear gloves and eye protection when handling and using product. Wash face and hands after using. Do not inhale dust from granules, or spray mist/aerosols. Do not use spray equipment contaminated with this product for any other purposes unless first thoroughly cleaned with a suitable cleaning detergent.

### 7.2 Conditions for safe storage

Store in the closed original packaging out of reach of children and in a dry, cool, well-ventilated area. Keep away from food, drink and animals feeding stuffs.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Control parameters – exposure standards, biological monitoring

Ingredient	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Particulates, not otherwise specified	10	-
Particulates, respirable	3	

Exposure limits have not been established for any of the significant ingredients in this product. No biological limits applicable.

### 8.2 Engineering controls

Use outdoors to ensure adequate ventilation.

### 8.3 Personal protective equipment (PPE)

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**.

**Eye/Face Protection:** Wear protective glasses or goggles when mixing or applying product.

**Skin Protection:** Wear impervious gloves, and preferably also overalls. Ensure all skin areas are covered.

**Respirator:** Use outdoors in a well-ventilated area or use local exhaust ventilation. Where product is being sprayed and a mist could be produced a respirator should be worn. It should be fitted with a cartridge, suitable for particulates.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey to brown granule
Odour	Not specific information
Odour threshold	Not known
pH	7.5 – 9.5
Melting/Freezing Point	No data available
Boiling Point /Range	Not applicable
Flash point	Non flammable
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	No data available
Vapour Pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility	Dispersible in water
Partition Co-efficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Not applicable
Particle characteristics	No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

This product is unlikely to react or decompose under normal storage conditions.

### 10.2 Chemical stability

Stable under normal temperatures and pressure for storage and use.

### 10.3 Conditions to Avoid

Store in the closed original container in a dry, cool, well-ventilated area and out of direct sunlight.

### 10.4 Incompatible materials and possible hazardous reactions

Incompatible with explosives, oxidising agents, organic peroxides.

### 10.5 Hazardous decomposition products

**Fire Decomposition:** Carbon monoxide, carbon dioxide, and other unspecified compounds.

**Polymerisation:** This product will not undergo polymerisation reactions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Health hazard information

The product is classified for health hazards according to an assessment of information on individual ingredients, mixture rules and study data.

### 11.2 Toxicological information

Acute toxicity:	Not classified
Aspiration hazard:	Product contains no ingredients identified as aspirant hazard.
Respiratory irritation:	Not classified
Skin corrosion/irritation	Product is not classified as skin irritant.
Serious eye damage/irritation:	Product is not classified as being irritant.



Respiratory or skin sensitisation:	No ingredients in product classified as sensitizers.
Germ cell mutagenicity:	No ingredients in product classified as presumed or suspected mutagens.
Carcinogenicity:	No ingredients in product classified as presumed or suspected carcinogens.
Reproductive toxicity:	No ingredients in product classified as presumed or suspected of impairing fertility or the unborn child.
Specific target organ toxicity	
– single/repeated exposure:	Active ingredients may cause adverse effects to target organs and systems by prolonged or repeated oral exposure.
Narcotic effects	Product contains no ingredient identified as causing narcotic effects.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

This product is classified as being very toxic to aquatic life with long lasting effects, and harmful to terrestrial vertebrates.

Cyprodinil ecotoxicity information -

Bluegill sunfish LC<sub>50</sub> (96 h): 3.2 mg/L

Rainbow trout LC<sub>50</sub> (96 h): 2.41 mg/L

Eastern oyster EC<sub>50</sub> 0.43 mg/L

Fludioxonil ecotoxicity information -

Bluegill sunfish LC<sub>50</sub> (96 h): 0.31 mg/L

*Daphnia magna* LC<sub>50</sub> (48h): 0.9 mg/L

*Scenedesmus subspicatus* EC<sub>50</sub> (72h): 0.93 mg/L

### 12.2 Environmental Fate

**Breakdown in soil and groundwater:** No specific information available on product.

**Bioaccumulation:** Fludioxonil is identified as being bioaccumulative.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Product Disposal

Refer to product label. If possible, dispose of by using according to the label. Otherwise dispose of to Agrecovery® chemical recovery service or at an approved landfill in accordance with local regulations.

### Container Disposal

Refer to product label. Do not use packaging for storage of any other products. Crush empty packing and dispose of at an approved landfill.

## SECTION 14: TRANSPORT INFORMATION

### Road and Rail Transport:

Classified as Dangerous Good Class 9 according to NZS5433 Transport of Dangerous Goods on Land.

### Marine Transport (IMO/IMDG):

Classified as Dangerous Good Class 9 by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**Air Transport (ICAO/IATA):**

Classified as Dangerous Good Class 9 by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulation for transport by air.

**UN Number:** 3077

**UN Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOILD, N.O.S  
(CONTAINS 37.5% CYPRODINIL, 25% FLUDIOXONIL)

**Transport hazard class(es):** 9

**Packing Group:** III

**Special Precautions for User:** Not available

**IMDG Marine pollutant:** YES

**Transport in Bulk:** Not available

<b>SECTION 15: REGULATORY INFORMATION</b>
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**15.1 HSNO Act 1996**

Hazardous substance according to Hazardous Substances (Hazard Classification) Notice 2020

**Approved substance number:** HSR100937

**Hazard classifications:** Specific target organ toxicity – repeated exposure Category 2; Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1; Hazardous to terrestrial vertebrates.

**Controls:** Refer to HS Notices ([www.epa.govt.nz](http://www.epa.govt.nz)) and HSW HS Regulations ([www.worksafe.govt.nz](http://www.worksafe.govt.nz)).

The application of the substance must be limited to ground based application methods only. Ground-based methods of applying pesticides include, but are not limited to, application by ground boom, airblast or knapsack, and do not include aerial application methods.

**Certified handler:** Not applicable

**Tracking:** Not applicable

**Qualifications:** A person mixing, loading or applying this product must be suitably qualified or under the supervision of a suitably qualified person. Refer to Schedule 10 of the Hazardous Substances (Hazardous Property Controls) Notice 2017 for details.

**International Agreements:** Not applicable

**Signage trigger quantity (Schedule 3):** 100 kg

**Emergency Response Plan trigger quantity (Schedule 5):** 100 kg

**Secondary Containment trigger quantity (Schedule 16):** 100 kg

**Record Keeping:** If 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance.

**Environmental exposure limits:** None set



**Tolerable exposure limits:** An ADE of 0.59 mg/kg has been set for this product.

## 15.2 ACVM Act 1997

**Registration number:** P009577

## SECTION 16: OTHER INFORMATION

### Date of preparation or last revision of SDS

**SDS issued** 30 October 2023

**SDS supersedes** 17<sup>th</sup> August 2018

**Reason issued** Update to GHS

### ABBREVIATIONS

<b>ADI</b>	Acceptable Daily Intakes
<b>ADE</b>	Acceptable Daily Exposure
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>CCID</b>	Chemical Classification Identification Database
<b>EPA</b>	Environmental Protection Authority
<b>ErC<sub>50</sub></b>	Half maximal Effective Concentration
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>HSNO</b>	Hazardous Substances and New Organisms
<b>HS</b>	Health and Safety
<b>HSR</b>	Hazardous Substances Register
<b>IARC</b>	International Agency for Research on Cancer
<b>LC<sub>50</sub></b>	Median Lethal Concentration
<b>LD<sub>50</sub></b>	Median Lethal Dose
<b>SDS</b>	Safety Data Sheets
<b>NOAEL</b>	No Observable Adverse Effect Level
<b>NOEL</b>	No Observable Effect Level
<b>NOS</b>	Not otherwise specified
<b>STEL</b>	Short Term Exposure Limit
<b>SWA</b>	Safety Work Australia
<b>TWA</b>	Time-Weighted Average
<b>UN Number</b>	United Nations Number

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End of Safety Data Sheet