

# Material Safety Data Sheet

CS: 1.4.93

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Infosafe No™ 3NULH Issue Date : November 2010 ISSUED by CRPCARE

Product Name **SUPERNOVA 250SC Fungicide**

Not classified as hazardous

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** SUPERNOVA 250SC Fungicide  
**Product Code** 5204  
**Product Type** Group 11 Fungicide  
**Company Name** Crop Care Australasia Pty Ltd (ABN 53 061 362 347)  
**Address** Unit 15/16 Metroplex Avenue Murarrie  
Queensland 4172 Australia  
**Emergency Tel.** 1800 033 498 (24hr Australia)  
**Telephone/Fax Number** Tel: +61 7 3909 2000  
Fax: +61 7 3909 2010  
**Recommended Use** For the control of various diseases of avocados, grapes, mangoes, passionfruit, cucurbits, poppies, potatoes and tomatoes as per the Directions for Use table on the label.  
**Other Information** This MSDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Not classified as hazardous  
NON-HAZARDOUS SUBSTANCE.  
NON-DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.

**Risk Phrase(s)** Not classified as hazardous

**Safety Phrase(s)** S13 Keep away from food, drink and animal feeding stuffs.  
S2 Keep out of reach of children.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S46 If swallowed, seek medical advice immediately and show this container or label.

**Other Information** Poisons Schedule S5

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Characterization** Liquid

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Azoxystrobin	131860-33-8	250 g/L
	fatty alcohol ethoxylate	-	10-30 %
	Propylene glycol	57-55-6	10-30 %
	Other ingredients (considered non-hazardous)		Balance

## 4. FIRST AID MEASURES

**Inhalation** Remove affected person to fresh air until recovered.  
If symptoms develop or persist, seek medical advice.

**Ingestion** Rinse mouth and then drink plenty of water.  
Obtain medical advice.

**Skin** Wash affected areas thoroughly with soap and water.  
Remove contaminated clothing and launder before re-use.  
If irritation persists, seek medical advice.

**Eye** If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.

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**First Aid Facilities** Seek medical advice immediately.  
If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.

**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Water fog, foam, carbon dioxide or dry chemical.

**Special Protective Equipment for fire fighters** Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.

**Other Information** STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

## 6. ACCIDENTAL RELEASE MEASURES

**Spills & Disposal** Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite).  
Collect in sealed open top containers for disposal.

**Personal Protection** For appropriate personal protective equipment (PPE), refer Section 8.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Do NOT contaminate dams, rivers or streams, or any other water bodies with pesticide or used containers.

**Conditions for Safe Storage** Store in the closed, original container in a dry, cool well ventilated area out of direct sunlight.  
Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.

**Other Information** Always read the label and any attached leaflet before use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** An exposure standard has been set for propylene glycol at (TWA) 474 mg/m3.

**Engineering Controls** Handle in well ventilated areas, generally natural ventilation is adequate.

**Respiratory Protection** Do not inhale spray mist.

**Personal Protective Equipment** When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles.

**Hygiene Measures** After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.  
After each day's use, wash contaminated clothing and safety equipment.

**Requirements Concerning Special Training** Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form** Liquid

**Appearance** Off-white liquid

**Solubility in Water** Disperses in water.

**Specific Gravity** 1.09

**pH Value** 7-8 in 1% solution

**Octanol/Water Partition Coefficient** Kow Log P is 2.5 for azoxystrobin @ 20°C

**Flammability** Not flammable

## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability</b>	Stable under normal conditions.
<b>Hazardous Decomposition Products</b>	Combustion or thermal decomposition will evolve toxic and irritant vapours.
<b>Hazardous Polymerization</b>	Hazardous polymerisation is not possible.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	No harmful effects are expected if the precautions on the label and this MSDS are followed.
<b>Inhalation</b>	Not a likely route of exposure.
<b>Ingestion</b>	Early symptoms, shortly after exposure, are mainly gastro intestinal (nausea, diarrhoea, vomiting and abdominal pain).
<b>Skin</b>	Mildly irritating to the skin.
<b>Eye</b>	A mild eye irritant.
<b>Reproductive Toxicity</b>	Data indicates no teratogenic effects.
<b>Mutagenicity</b>	Data indicates no mutagenic effects.
<b>Carcinogenicity</b>	The weight of the evidence is that azoxystrobin technical is not carcinogenic.
<b>Acute Toxicity - Oral</b>	LD50 (rat >2,000 mg/kg for the formulated product
<b>Acute Toxicity - Dermal</b>	LD50 (rat) >4,000 mg/kg for the formulated product
<b>Acute Toxicity - Inhalation</b>	LC50 (rat) (4hr) 0.826 mg/l for the formulated product (maximum attainable - aerosol concentration)
<b>Eye Irritation</b>	Mild eye irritant.
<b>Skin Irritation</b>	Mild skin irritant.
<b>Skin Sensitisation</b>	Product is not a skin sensitiser.
<b>Other Information</b>	The Australian Acceptable Daily Intake (ADI) for azoxystrobin for a human is 0.1 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 10 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing Office of Chemical Safety, 'ADI List', December 2008).

## 12. ECOLOGICAL INFORMATION

<b>Persistence / Degradability</b>	Rapidly degrades in soil.
<b>Known Harmful Effects on the Environment</b>	The product is a marine pollutant for sea transport. Harmful to fish.
<b>Other Precautions</b>	Do not contaminate streams, rivers or waterways with the chemical or used containers.
<b>Environ. Protection</b>	Spray drift can cause damage, read the label for more information.
<b>Acute Toxicity - Fish</b>	Toxic to fish. LC50 (96hr) for rainbow trout is 0.47 mg/l.
<b>Acute Toxicity - Daphnia</b>	LC50 (48hr) for daphnia magna is 0.23 mg/l for azoxystrobin.
<b>Acute Toxicity - Algae</b>	EC50 for Selenastrum capricornutum is 0.36 mg/l.
<b>Acute Toxicity - Other Organisms</b>	Bees: Not toxic to bees. LD50 >200 µg/bee. LD50 for bobwhite quail is >1,000 mg/kg for azoxystrobin

## 13. DISPOSAL CONSIDERATIONS

<b>Product Disposal</b>	On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic
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**Container Disposal**

collections of unwanted chemicals.  
Do not use this container for any other purpose.  
Triple rinse containers, add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations.  
drumMUSTER is the national program for the collection and recycling of empty, cleaned, non returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMUSTER symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program.  
If recycling, replace cap and return clean containers to recycler or designated collection point.  
If not recycling, puncture or shred and bury containers in local authority landfill.  
If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.  
Empty containers and product should not be burnt.

**14. TRANSPORT INFORMATION****Transport Information Storage and Transport**

It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.  
Considered non dangerous for road and rail transport (in packaging, including IBCs not greater than 3000 Lt each) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.

**UN Number (Sea Transport)**

For bulk shipments as Class 9, use UN 3082, HazChem code 2Z.  
3082

**IMO Class/Packing Group**

Class 9

**IMO Marine Pollutant**

Marine Pollutant

**IMO Proper Shipping Name**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains azoxystrobin)**15. REGULATORY INFORMATION****Poisons Schedule**

S5

**Packaging & Labelling**

CAUTION  
KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

**AICS (Australia)**

All of the components in this product are listed on the Australian Inventory of Chemical Substances.

**16. OTHER INFORMATION****Date of preparation or last revision of MSDS**

09/11/2010

**Contact Person/Point Revisions Highlighted**

Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000  
After Hours: Shift Supervisor Phone: 1800 033 498  
First Issue

...End Of MSDS...

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