

MegaStar™

Section 1: Identification of the Substance or Mixture and of the Supplier

Product name:	MegaStar™
Recommended use:	Fungicide for the control of blackspot and powdery mildew of pipfruit, brown rot of stonefruit and scab of citrus.
Company details:	Grochem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
Telephone:	+64 4 237 0905
Email:	grochem@grochem.com
Emergency telephone:	New Zealand 0800 CHEMCALL – 24 hours (0800 243 6225) Australia 1800 127 406 Other locations +64 4 917 9888 or The National Poisons Centre 0800 POISON (0800 764 766)
Date of preparation:	12 July 2017

Section 2: Hazards Identification

Hazard classification (Transport):	Not a Dangerous Good for transport.
Hazardous substances (HSNO):	6.1D (WARNING: Harmful if swallowed, inhaled or absorbed through skin) 6.3B (WARNING: Causes mild skin irritation) 6.4A (WARNING: Causes serious eye irritation) 6.7B (WARNING: Suspected of causing cancer) 6.8A (DANGER: May damage fertility or the unborn child) 6.9A (DANGER: Causes damage to organs) 9.1C (Harmful to aquatic life with long lasting effects) 9.3C (Harmful to terrestrial vertebrates)



Section 3: Composition/Information on Ingredients

Classification & type: Pure substance

Material	CAS No.	Proportion (%w)
Flusilazole	85509-19-9	20%
Non-Hazardous components		to 100%

Section 4: First Aid Measures

Symptoms of exposure: No adverse health effects expected if the product is handled in accordance with this SDS and the product label. Symptoms that may arise if the product is mishandled are:

Harmful if swallowed, inhaled or absorbed through the skin.
Suspected of causing cancer.
May damage fertility or the unborn child.
Causes damage to organs.
Causes serious eye irritation.
Causes mild skin irritation.

First aid actions:

If exposed or concerned, get medical advice/attention.
If medical advice is needed, have product container or label at hand.

If Swallowed

Rinse mouth. Call a POISON CENTRE or doctor/physician if you feel unwell.

If in Eyes

Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

If on Skin

Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs, get medical advice/attention.

If Inhaled

Remove to fresh air and keep at rest in a position comfortable for breathing.

Workplace facilities:

Emergency shower and eyewash.

Notes for medical personnel:

Treat symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard: Not a fire or explosion hazard.

HAZCHEM code: 2X

Combustion products: May produce hazardous gases on combustion.

Extinguishing media & methods: Water spray, foam or CO₂. Cool tank/container with water spray.

Recommended protective clothing: Wear self contained breathing apparatus.

Section 6: Accidental Release Measures

Personal protection:	See Section 8.3 for appropriate PPE.
Containment and clean up:	Prevent entry into waterways, drains or confined areas. Shovel or sweep up. DO NOT flush with water. Place material in a clean, dry container and cover. Wash contaminated area with water and detergent. Prevent liquid from entering waterways, drains or confined areas. Soak up with sawdust, sand or other absorbent material. Shovel or sweep up. Never return to container for re-use.
Special requirements:	See Section 13 for instructions for the disposal of waste/contaminated material.

Section 7: Handling and Storage

Subsection 1:	Handling
Handling practices	Wear appropriate PPE as detailed in Section 8.3. Keep out of reach of children. Read label before use. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.
Subsection 2:	Storage
Site requirements	Store locked up in the closed, original container in a dry, well ventilated area. Keep from contact with foodstuffs, fertilisers, fungicides and seeds. Do not store with Classes 1, 2, 3.2, 4 or 5 substances.

Section 8: Exposure Controls/Personal Protection

Subsection 1:	Workplace Exposure Guidelines (may also be considered in section 2)
Workplace exposure standards (WES):	10mg/m ³ Inhalable dust; and 2mg/m ³ Respirable dust.
Exposure Standards outside the workplace	No Environmental Exposure Limits (EELs) have been set for MegaStar.
Subsection 2:	Engineering Controls
Exposure control measures	MegaStar must not be applied onto or into water. MegaStar must be applied via ground-based methods only. Use only in a well ventilated area.
Subsection 3:	Personal Protective Equipment (PPE)
Detail specifications for equipment	Wear eye protection, respirator, impervious gloves and cotton overalls.
General hygiene	Wash exposed skin thoroughly after handling, before eating or drinking and after work.

Section 9: Physical and Chemical Properties

Appearance	Brown Granules	pH	6.5 (1% solution)
Odour	Not Available	Boiling point (degC)	Not Available
Specific gravity (kg/L)	Not Available	Freezing point (degC)	Not Available
Solubility	Dispersible	Flashpoint (degC)	Not Available

Section 10: Stability and Reactivity

Stability of substance:	Stable at normal temperatures and storage conditions.
Conditions to avoid:	None known.
Material to avoid:	None known.
Hazardous decomposition products:	May produce hazardous gases on combustion.
Hazardous polymerization:	Will not occur.

Section 11: Toxicological Information

Data and interpretation:	Acute Oral LD50 (rat): 4000 mg/kg (male); 3000 mg/kg (female) Acute Dermal LD50 (rabbit): >2000 mg/kg Inhalation LC50 (rat): > 5.0 mg/L See Section 2 for general hazard information.
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Section 12: Ecological Information

Potential environmental interactions:	Harmful to aquatic life with long lasting effects.
Data organisation:	Fish LC50 (48hr): Rainbow Trout: 1.3 mg/L, Bluegill Sunfish: 1.7 mg/L Daphnia LC50 (48hr): 3.4 mg/L Birds Acute Oral LD50: Mallard Duck: >1590 mg/kg Dietary (8 day) LC50: Bobwhite Quail: >5620 mg/kg, Mallard Duck: 1584 mg/kg Bees LD50: >150 µg / bee

Section 13: Disposal Considerations

Product disposal:	Use as directed on the label or at an approved facility. Do not burn.
Container disposal:	Triple rinse container and add rinsate to spray tank. Dispose of at an approved landfill.

Section 14: Transport Information

Dangerous goods:	Not a Dangerous Good for transport.
Special precautions:	Do not carry more than 3 kg on a passenger service vehicle. Segregate from foodstuffs.

Section 15: Regulatory Information

Regulatory status: Registered pursuant to the ACVM Act 1997, No P8587.
See www.foodsafety.govt.nz for registration conditions.
Approved Pursuant to the HSNO Act 1996, No HSR100707.
See www.epa.govt.nz for approval conditions.

HSNO controls: Trigger quantities for this substance:

SDS must be available for	0.1 kg
Signage	1000kg
Emergency response plan	1000kg

Section 16: Other Information

Revision due: 18 July 2022.

Additional information: Directions for use are found on the product label.

Glossary:

ACVM	Agricultural Compounds and Veterinary Medicines (in relation to Group or Act 1997)
CAS	Chemical Abstract Services Number, used to uniquely identify chemical compounds
EEL	Environmental Exposure Limit
HSNO	Hazardous Substances and New Organisms (legislation 1996)
LC50	Lethal Concentration fatal to 50% of test animals/organisms
LD50	Lethal Dose to kill 50% of test animals/organisms
PPE	Personal Protective Equipment
WES	Workplace Exposure Limit

This SDS summarises our best knowledge of the health and safety hazard information available for this product and how to safely handle and use it. Since the use of this information and the conditions of the use of this product are not under the control of GroChem, it is the user's responsibility to determine conditions of safe use of the product.