

Product Name: Sphinx Fungicide

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This revision issued: September, 2023

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: SPHINX FUNGICIDE

Chemical Name of Active Ing: Dimethomorph (E,Z)-4-[3-(4-chlorophenyl)-3-(3,4-

dimethoxypheny)acryloy] morpholine

Product Use: Fungicide

Restriction of Use: Refer to Section 15

New Zealand Supplier: ADAMA New Zealand Ltd Address: Level 1/93 Bolt Road

Tahunanui, Nelson +64 3 543 8275

Telephone: +64 3 543 8275 Email: nzorders@adama.com

Emergency Telephone: 0800 764 766 (National Poison Centre) 0800 734 607 (24hr Emergency Response)

Date of SDS Preparation: 05 September 2023

Section 2. Hazards Identification

This substance is hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020

HSNO Approval No: HSR007636

Pictograms





Signal Word: Warning

HSNO Classification	Hazard Code	Hazard Statement
Specific target organ toxicity (repeated exposure) Category 2	H373	May cause damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment chronic Category 2	H411	Toxic to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P103	Read label before use.
P260	Do not breathe fumes.
P273	Avoid release to the environment.

Response Code	Response Statement
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.

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Storage Code	Storage Statement
None allocated	

Disposal Code	Disposal Statement
P501	Wherever possible completely use material by using according to label
	instructions. Dispose of unwanted product and wastes from spillages as
	hazardous substances in accordance with local and national regulations
	using a licensed waste disposal company. Triple rinse containers and add
	rinsate to spray tank before puncturing and offering for recycling or landfill.
	Do not allow product to enter waterways. Do not burn product or container.

Section 3. Composition / Information on Ingredients

Ingredients	Wt %	CAS NUMBER.
Dimethomorph	500g/L	110488-70-5
Other non-hazardous ingredients	To bal	-

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for 15 minutes. If eye irritation persists: Get

medical advice.

If on Skin Wash with plenty of soap and water. If skin irritation occurs: get medical

advice/attention.

If Swallowed Do not induce vomiting. Wash out mouth with water. Never give anything

to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips

to prevent vomit entering the lungs. Call a POISON CENTER or

doctor/physician if you feel unwell.

If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen

remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes

difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion:Not applicable.Inhalation:Not applicable.Skin:Not applicable.Eye:Not applicable.

Chronic: May cause damage to organs through repeated or prolonged exposure.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable / Not combustible.
Hazards from	Thermal decomposition may generate: carbon dioxide, carbon
products	monoxide, nitrogen oxides, and chlorides.
Suitable	Water fog, foam. dry chemical.
Extinguishing	
media	
Precautions for	Wear proper protective equipment. Use self-contained breathing
firefighters and	apparatus when in close proximity to fire. Fight fires from protected
special protective	location. Dike fire control water for later disposal.
clothing	
HAZCHEM CODE	3Z

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Section 6. Accidental Release Measures

Wear appropriate protective clothing. (see section 8).

Environmental precautions

In the event of a major spill, prevent spillage from entering into drains and water courses.

Methods and material for containment and cleaning up

In the event of minor spillage. Absorb remainder in sand or other inert material. Use appropriate container to avoid environmental contamination. In the event of major spillage: Collect and contain as much free liquid as possible. Dike spills using absorbent or impervious materials such as sand or clay for later disposal. Dispose of in an authorised waste collecting point.

Section 7. Handling and Storage

Precautions for Handling:

- · Read label before use.
- Do not inhale spray mist.
- Avoid release to the environment.
- Do not smoke, drink or eat while using.
- Wear protective clothing as detailed in Section 8.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs.
- As a substance with aquatic ecotoxicity classifications, storage of Sphinx Fungicide must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS8409) is followed.
- Keep out of reach of children.
- Packaging: Fluorinated or Co extruded polyethylene drums.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

TWA STEL
Substance ppm mg/m3 ppm mg/m3

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

Engineering Controls

Date of SDS: 5 September 2023

No special ventilation requirements are normally necessary for this product.

Personal Protection Equipment



Eyes	Safety goggles or Chemical goggles.
Hands and	Wear suitable protective clothing. Chemical resistant boots. Chemical
Skin	resistant gloves. (nitrile or similar).

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Respiratory	During spraying wear suitable respiratory equipment.
General	When handling do not eat, drink or smoke. Wash hands thoroughly after
	handling. Wash clothing separately before re-use.

Section 9 **Physical and Chemical Properties**

A	Off white limited
Appearance	Off-white liquid
Odour	No odour
Odour Threshold	Not applicable
Coefficient pH	Not applicable
Boiling Point	>250°C
Melting /Freezing Point	Not applicable
Flash Point	Not applicable
Flammability	Not flammable
Upper and Lower	Not applicable
Exposure Limits	
Vapour Pressure	Not applicable
Density	1.10-1.15
Solubility in water	Dispersible
Coeff Oil/water	Not applicable
distribution:	
Auto-ignition	Not applicable
Temperature	
Kinematic viscosity	Not applicable
mm2/s 40 °C	
Particle Characteristics	Not applicable
Volatiles	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Reactivity	None known.
Conditions to Avoid	Protect from (sun) light, open flame and sources of heat.
Incompatible Materials	Acids, strong oxidizing agents.
Hazardous Decomposition	Thermal decomposition may generate: carbon dioxide, carbon
Products	monoxide, nitrogen oxides, and chlorides.

Section 11 **Toxicological Information**

Acute Effects:

Swallowed	Not applicable LD50 (rat) >2,000 mg/kg
Dermal	Not applicable LD50 (rat) >2,000 mg/kg
Inhalation	Not applicable LC50 (rat) >2 mg/L/4h maximum concentration
	attainable, not adequate for classifications
Skin	Not applicable
Eye	Not applicable

Chronic Effects:

Carcinogenicity	Not applicable.	
Reproductive	Not applicable.	
Toxicity		
Germ Cell	Not applicable.	
Mutagenicity		
Aspiration	Not applicable.	
STOT/SE	Not applicable.	
STOT/RE	May cause damage to organs through prolonged or repeated exposure.	

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Section 12. Ecotoxicological Information

Ecotoxicity:

96 H-LC50 – Rainbow trout [mg/l]: 20.5 96 H-LC50 – Carp [mg/l]: 35.5

48 H-EC50 – Daphnia magna [mg/l]: 68.2

96 H-ErC50 Algae [mg/l]: 38.7 96 H-EbC50 Algae [mg/l]: 17.3 Bees LD50 [μg/Bee]: Contact: 100

Oral > 97.6

LD50 Birds [mg/kg]: Bobwhite quail >2,000

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available
Precautions	Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method: Triple rinse empty container and add rinsate to spray tank. Burn in an appropriate incinerator, if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitable landfill, or if appropriate, recycle. Avoid contamination of any water supply with product or empty container.

Precautions and methods to avoid:

Avoid contamination of any water supply with product or empty container.

Section 14 Transport Information

This product is classified as a Dangerous Goods for transport in NZ; NZS 5433



Road and Rail Transport

UN No: 3082 Class-primary 9 Packing Group III

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S (Dimethomorph)

Air Transport

UN No: 3082 Class-primary 9 Packing Group III

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S (Dimethomorph)

Marine Transport

UN No: 3082 Class-primary 9 Packing Group III

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S (Dimethomorph)

Marine Pollutant Yes

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Special Provisions:

If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15 Regulatory Information

This substance is hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020

HSNO Approval Code: HSR007636

HSNO Classification: Specific target organ toxicity (repeated exposure) Category 2,

Hazardous to the aquatic environment chronic Category 2.

Refer to EPA website www.epa.govt.nz for controls document - HSR007636

HSW (HS) Regulations 2017	Trigger Quantity		
Signage Trigger Quantities (Schedule 3)	1000L (9.1B)		
Emergency Response Plan (Schedule 5)	1000L (9.1B)		
Secondary Containment (Schedule 5)	1000L (9.1B)		
Tracking (Schedule 26)	Not required		
HSW (Hazardous Substances) Regulations Part	HSW Reg 4.5 - 4.6		
4 Certified Handlers and supervision and	Information, instruction, training and		
training of workers	supervision.		
Hazardous Property Controls Notice 2017			
HPC Notice Part 3	Hazardous substances in a place other than		
	a workplace		
HPC Notice Part 4 Subpart A	Substances that are hazardous to the		
	environment: Site and storage controls		
HPC Notice Part 4 Subpart B	Use of substances that are hazardous to the environment		
HPC Notice Part 4 Clause 47	Equipment for environmentally hazardous		
	substances must be appropriate		
HPC Notice Part 4 Clause 52	Agrichemicals that are hazardous to the		
	aquatic environment must not be applied to		
	water		
HPC Notice Part 4 Subpart C	Qualifications required for the application of		
	substances that are hazardous to the		
	environment		
ACVM Act and Regulations			
ACVM Approval No	P7905		
See <u>www.foodsafety.govt.nz</u>			
for registration controls			

Section 16 Other Information

Glossary

ACVM Agricultural Compounds and Veterinary Medicines Act 1997.

EC50 Median effective concentration.
EEL Environmental Exposure Limit.
EPA Environmental Protection Authority.

HSNO Hazardous Substances and New Organisms Act 1996.

HSW Health and Safety at Work Act 2015.

HSW (HS) Regulations Health and Safety at Work (Hazardous Substances) Regulations

2017.

LC50 Lethal concentration that will kill 50% of the test organisms

inhaling or ingesting it.

LD50 Lethal dose to kill 50% of test animals/organisms.

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LEL Lower explosive level.

OSHA American Occupational Safety and Health Administration.

TEL Tolerable Exposure Limit.

TLV Threshold Limit Value-an exposure limit set by responsible

authority.

UEL Upper Explosive Level.
WES Workplace Exposure Limit.

References:

- 1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
- 2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
- 3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
- 4. Transport of Dangerous goods on land NZS 5433:2012
- 5. HSW (Hazardous Substances) Regulations 2017

Disclaimer:

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