SAFETY DATA SHEET
SPHINX 500 SC FUNGICIDE

Section 1: Identification of the Substance and Supplier

Product name:	**SPHINX 500 SC Fungicide**
Chemical name of active Ingredient(s):	Dimethomorph (E,Z)-4-[3-(4-chlorophenyl)-3-(3,4-dimethoxypheny)acryloy] morpholine
Use:	Fungicide
Supplier:	**ADAMA New Zealand Limited** Level1/19 Elms Street, Wakatu Estate, Stoke, Nelson, New Zealand P.O. Box 1799, Nelson New Zealand.
Telephone	+64 3 543 8275 Fax: +64 3 543 8274
Emergency Telephone:	**0800 POISON (0800 764 766)**

Section 2: Hazards Identification

Hazard Classifications: 6.9B, 9.1B

Most important hazards:

TOXICITY
Harmful - May cause liver damage from repeated oral exposure at high doses.
ECOTOXICITY
Toxic to aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.

Section 3. Composition/Information on Ingredients

Substance/preparation Preparation

Information on hazardous ingredients *

Common name	CAS No.	Value	EC Number
Dimethomorph	110488-70-5	500g/L	404-200-2

- ***Occupational Exposure Limit(s), if available, are listed in section 8***

Section 4: First-Aid Measures

First-aid measures:	Remove victim from area of exposure. Wash off remaining material with plenty of water.
Inhalation:	Remove victim to fresh air. Keep victim warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.
Ingestion:	Do NOT induce vomiting. Wash out mouth with plenty of water. Never give anything by mouth to an unconscious person. Consult a doctor..
Skin contact:	Remove contaminated clothing. Wash away remainder with water and soap, followed by a warm water rinse. Consult a doctor in the event of any complaints.
Eye contact:	Immediately wash out with plenty of water with the eyelid held wide open for at least 15 minutes. Consult eye specialist if pain persists.
Notes to a physician:	There is no specific antidote. Treat symptomatically and give supportive therapy. If ingested perform gastric lavage and administer activated charcoal.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable:	Water fog, foam. dry chemical
Special Procedures:	Fight fires from protected location. Dike fire control water for later disposal.
Special Exposure Hazards:	Thermal decomposition may generate: carbon dioxide, carbon monoxide, nitrogen oxides, and chlorides.
Protection of fire-fighters:	Wear proper protective equipment**.** Use self-contained breathing apparatus when in close proximity to fire.

Section 6: Accidental Release Measures

Personal precautions: Wear appropriate protective clothing. (see section 8)

Environmental precautions: Dispose of this material and its container at hazardous or special waste collection point, in accordance with national and regional regulations. If the product has contaminated surface water, inform the appropriate authorities.

Methods for 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

Handling: Keep out of reach of children.
Do not eat, drink or smoke while using.
Avoid inhalation of spray mist.

Storage: Store in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs.
As a Class 9 Substance with 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 as a means of meeting the secondary containment provisions of the HSNO Emergency Management Regulations.

Packaging: Fluorinated or Co extruded polyethylene drums.

Section 8: Exposure Controls/Personal Protection

Engineering measures: No exposure limits established.
Hygiene measures: Thoroughly wash hands after work and before eating or smoking/
Respiratory Protection: During spraying wear suitable respiratory equipment.
Skin and body: Wear suitable protective clothing. Chemical resistant boots.
Hands: Chemical resistant gloves. (nitrile or similar)
Eyes: Safety goggles or Chemical goggles.

Section 9: Physical and Chemical Properties

Physical state: Liquid
Colour: Off-white
Odour: Odourless
Initial boiling point [°C] >250°C
Density: 1.10-1.15
Solubility in water: Dispersible
Flash point [°C]: Not applicable
Auto ignition temperature [°C]: Not applicable
Flammability: Not flammable

Section 10: Stability and Reactivity

Physico-chemical Stability: Stable under normal conditions
Hazardous decomposition Products: Thermal decomposition generates: carbon monoxide, carbon dioxide, nitrogen oxides Chlorides,
Hazardous reactions: Acids, strong oxidizing agents.
Hazardous Polymerization: Will not occur
Conditions to avoid: Protect from (sun) light, open flame and sources of heat.

Section 11. Toxicological Information

Acute toxicity - Oral:	LD_{50} (rat) >2,000 mg/kg
Acute toxicity - Dermal:	LD_{50} (rat) >2,000 mg/kg
Acute toxicity – Inhalation:	LC_{50} (rat) >2 mg/L/4h maximum concentration attainable, not adequate for classifications
Skin irritation:	Not irritating (rabbit).
Eye irritation:	Non Irritating (rabbit).
Sensitization:	Non Sensitizer (Guinea-pig)
Carcinogenicity:	Not carcinogenic
Mutagenicity:	Not mutagenic
Reproductive toxicity:	Not teratogenic in animal experiments

Section 12: Ecological Information

Ecological effects information:

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

Section 13: Disposal Considerations

Methods of disposal: Triple rinse empty container and add rinsate to spray tank. Empty containers and product should NOT be burnt. Crush or puncture containers and bury in an suitable landfill, away from watercourses or if appropriate, recycle. Do not contaminate ponds, waterways and ditches with product or used container.

Section 14: Transport Information

UN Number	3082
Proper shipping name	Environmentally hazardous substance, Liquid, N.O.S,
DG Class	9
Packing Group	III
Hazchem Code	2X
Marine Pollutant	No
IER Guide page	47

National transport regulations: Do not carry this product on a passenger service vehicle.

Segregation: Check the land transport Rule Dangerous Goods 1999, Rule 45001 for additional information. Sea transport may require additional segregation. Refer: NZS5433; Sea Segregation, or the International Maritime Dangerous Goods Code for details.

Section 15: Regulatory Information

New Zealand Regulatory Information:

NZFSA Approval:	Registered pursuant to the ACVM Act 1997, No. P7905 See www.nzfsa.govt.nz/acvm for registration conditions Approved pursuant to the HSNO Act 1996, Approval No. HSR007636 See www.ermanz.govt.nz for approval controls
HSNO Classifications:	6.9B, 9.1B

ECOTOXIC

Section 16: Other Information

Note: This product is a registered agricultural chemical and must be therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

HISTORY
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