

# SAFETY DATA SHEET

## Sphinx Extra WDG

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Version 1

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R-20229 7130260 MCW 685 WG

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifier

## Sphinx Extra WDG

Synonyms

Dimethomorph Folpet 113 600 WG

Pure substance/mixture

Mixture

### Relevant identified uses of the substance or mixture and uses advised against

Recommended Use

Fungicide

Uses advised against

No information available

### Details of the supplier of the safety data sheet

Supplier Address

ADAMA SOUTH AFRICA (PTY) LTD  
Ground Floor, Simeka House  
The Vineyards Office Estate  
99 Jip de Jager Drive  
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## Section 2: HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Serious eye damage/eye irritation	Category 2 - (H319)
Carcinogenicity	Category 2 - (H351)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 3 - (H412)

### Label Elements

### Hazard pictograms

**Signal word**

Warning

**Hazard Statements**

H319 - Causes serious eye irritation  
 H351 - Suspected of causing cancer  
 H400 - Very toxic to aquatic life  
 H412 - Harmful to aquatic life with long lasting effects

**Precautionary Statements**

P102 - Keep out of reach of children  
 P201 - Obtain special instructions before use  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P501 - Dispose of contents/ container to an approved waste disposal plant

**Other Hazards**

No information available

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture**

Chemical Name	Weight-%	CAS No	EC No	GHS Classification	M-Factor
Folpet	57-63	133-07-3	205-088-6	Acute Tox. 4 (H332) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Carc. 2 (H351) Aquatic Acute 1 (H400)	M=10
Dimethomorph	10-13	110488-70-5	404-200-2	Aquatic Chronic 2 (H411)	
Alkyl-naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	1.5-2.5	68425-94-5	614-476-8	Eye Irrit. 2 (H319)	
Benzenesulfonic acid, hydroxy-, polymer with formaldehyde, phenol and urea, sodium salt	1.5-2.5	102980-04-1		Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)	

### Section 4: FIRST AID MEASURES

**First aid measures****General advice**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection!

**Inhalation**

Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

**Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Ingestion** Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.

**Self-protection of the first aider** Use personal protective equipment as required.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** None known.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**Section 5: FIRE-FIGHTING MEASURES**

**Extinguishing media**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

No information available.

**Special hazards arising from the substance or mixture**

No specific hazard known.

**Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus  
In the event of fire and/or explosion do not breathe fumes.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**For emergency responders**

Use personal protection recommended in Section 8.

**Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods and material for containment and cleaning up**

**Methods for cleaning up**

Take up mechanically, placing in appropriate containers for disposal.

**Reference to other sections**

**Other Information**

See also section 8,13

**Section 7: HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling**

Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Use with local exhaust ventilation.

**General Hygiene Considerations**

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

**Specific end use(s)**

**Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**National occupational exposure limits**

**Exposure controls**

**Engineering Controls**                      Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye/face protection**                      Tight sealing safety goggles.

**Hand Protection**                              Suitable chemical resistant gloves (EN 374) also with prolonged, direct contact (recommendation: protection index 6, corresponding > 480 minutes Permeability time (permeation) according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm).

**Body Protection**                              Suitable protective clothing, Suitable protective clothing, Apron, Gloves made of plastic or rubber.

**Respiratory protection**                      Use only with adequate ventilation.

**General Hygiene Considerations**                      When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

**Environmental exposure controls**                      Do not allow into any sewer, on the ground or into any body of water.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
<b>Appearance</b>			
Physical state	: Solid		
Color	: clear brown		

<b>Odor</b>	:	characteristic		
<b>Odor threshold</b>	:	No data available		
<b>pH</b>	:	6.14-7.87	CIPAC MT 75.3	aqueous solution 1 %
<b>Melting point/freezing point °C</b>	:	No data available		
<b>Boiling point/boiling range °C</b>	:	No data available		
<b>Flash point °C</b>	:	No data available		
<b>Evaporation rate</b>	:	Not Applicable		
<b>Flammability (solid, gas)</b>	:	Not highly flammable	EEC A.10	
<b>Upper/lower flammability or explosive limits</b>	:	No data available		
<b>Vapor pressure kPa</b>	:	No data available		
<b>Vapor density</b>	:	No data available		
<b>Relative density</b>	:	No data available		
<b>Solubility(ies) mg/l</b>	:	No data available		
<b>Partition Coefficient (n-octanol/water) Log Pow</b>	:			See Section 12 for more information
<b>Autoignition temperature °C</b>	:	>423	EEC A.16	
<b>Decomposition temperature °C</b>	:	No data available		
<b>Kinematic viscosity mm<sup>2</sup>/s 40 °C</b>	:	Not Applicable		
<b>Explosive properties</b>	:	Not an explosive	EEC A.10	
<b>Oxidizing properties</b>	:	Not oxidizing	EEC A.14	
<b>Other Information</b>				
<b>Bulk density g/ml</b>	:	0.681		
<b>Surface tension mN/m</b>	:	Not Applicable		

## Section 10: STABILITY AND REACTIVITY

### Reactivity

Not available.

### Chemical stability

Stable under normal conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible Materials

No information available

### Hazardous Decomposition Products

None under normal use conditions.

## Section 11: TOXICOLOGY INFORMATION

### Information on toxicological effects

#### Acute toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Oral LD50 mg/kg	: >2000	Rat	OECD 423	
Dermal LD50 mg/kg	: >2000	Rat	OECD 402	

Inhalation LC50 mg/l/4h	:	>5.05	Rat	OECD 403
Skin corrosion/irritation	:	Non-irritating to the skin	Rabbit	OECD 404
Serious eye damage/eye irritation	:	Irritating to eyes	Rabbit	OECD 405
Respiratory/skin sensitization	:	Not a skin sensitizer	Guinea pig	OECD 406,

**Chronic toxicity**

**Germ cell mutagenicity**

**Chemical Name**

Folpet	:	Not classified
Dimethomorph	:	Not classified

**Carcinogenicity**

**Chemical Name**

Folpet	:	Suspected of causing cancer
Dimethomorph	:	Not Carcinogenic

**Reproductive toxicity**

**Chemical Name**

Folpet	:	Not toxic for the reproductive system
Dimethomorph	:	Not toxic for the reproductive system

**STOT - single exposure**

**Chemical Name**

Folpet	:	No data available
Dimethomorph	:	Not available

**STOT - repeated exposure**

**Chemical Name**

Folpet	:	No data available
Dimethomorph	:	Not available

**Aspiration hazard**

**Chemical Name**

Folpet	:	No data available
Dimethomorph	:	Not available

**Section 12: ECOLOGICAL INFORMATION**

**Toxicity**

**Aquatic toxicity**

<b>Acute toxicity</b>	<b>Values</b>	<b>Species</b>	<b>Method</b>	<b>Remarks</b>
Fish 96-hour LC50 mg/l	: 0.165	Oncorhynchus mykiss	92/69/EC C.1 L383A/179	Static
Crustacea 48-hour EC50 mg/l	: 7.05	Daphnia magna	OECD 202	Static
Algae 72-hour EC50 mg/l	: 7.20	P. subcapitata	OECD 201	
Other plants EC50 mg/l	:			Not available

<b>Chronic aquatic toxicity</b>	<b>Values</b>	<b>Species</b>	<b>Method</b>	<b>Remarks</b>
Fish NOEC mg/l	:	No data available		
Crustacea NOEC mg/l	:	No data available		
Algae NOEC mg/l	:	No data available		
Other plants NOEC mg/l	:	No data available		

**Terrestrial Toxicity**

**Birds Oral LD50 mg/kg**

**Chemical Name**

Folpet	:	>2510	Bobwhite quail	EPA 71-1
Dimethomorph	:	>2000	Bobwhite quail	

**Bees Oral LD50 µg/bee****Chemical Name**

Folpet : >236 EPPO 170 (1992)  
 Dimethomorph : >32.4

**Persistence and degradability****Abiotic Degradation****Water DT50 days****Chemical Name**

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Folpet	: <0.05	OECD 111	pH 7
Dimethomorph	: ----		Stable pH 4-9

**Soil DT50 days****Chemical Name**

Folpet	: 4.3	SETAC	25° C
Dimethomorph	: 41-96	OECD 307	

**Biodegradation****Chemical Name**

Folpet	: Readily biodegradable	OECD 301 B	
Dimethomorph	: Not readily biodegradable	OECD 301B	

**Bioaccumulative potential****Partition Coefficient****(n-octanol/water) Partition Coefficient (n-octanol/water) Log Pow****Chemical Name**

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Folpet	: 3.017		20 ° C
Dimethomorph	: 2.75	OECD 107; EEC A.8	24.1° C

**Bioconcentration factor (BCF)****Chemical Name**

Folpet	: 56	OECD 305E	
Dimethomorph	:		No data available

**Mobility in soil****Adsorption/Desorption****Chemical Name**

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Folpet	: 304		Koc
Dimethomorph	: 422-1242	OECD 106	Koc

**Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB

**Other adverse effects**

No information available.

**Section 13: DISPOSAL CONSIDERATIONS****Waste treatment methods****Waste from residues/unused**

Disposal should be in accordance with applicable regional, national and local laws and

<b>products</b>	regulations.
<b>Contaminated packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal.
<b>Other Information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

**Section 14: TRANSPORTATION INFORMATION**

**IMDG/IMO**  
**UN/ID No \*** 3077  
**Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ( Dimethomorph, Folpet )  
**Hazard Class** 9  
**Packing Group** III  
**Marine pollutant** Yes  
**Special precautions for user**

**RID/ADR**  
**UN/ID No \*** 3077  
**Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ( Dimethomorph, Folpet )  
**Hazard Class** 9  
**Packing Group** III  
**Environmental hazard** Yes  
**Special precautions for user**

**ICAO/IATA**  
**UN/ID No \*** 3077  
**Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ( Dimethomorph, Folpet )  
**Hazard Class** 9  
**Packing Group** III  
**Environmental hazard** Yes  
**Special precautions for user**  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not Applicable



\* Note: UN3077 & UN3082 – These products may be transported as non-dangerous goods under the special provisions of IMDG Code 2.10.2.7; ADR SP375 and ICAO/IATA A197 when packed in single or inner packaging of up to 5L for liquids or 5 kg or less for solids.

**Section 15: REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture

**Section 16: OTHER INFORMATION**



**Full text of H-Statements referred to under sections 2 and 3**

H411 - Toxic to aquatic life with long lasting effects

H332 - Harmful if inhaled

H319 - Causes serious eye irritation

H317 - May cause an allergic skin reaction

H351 - Suspected of causing cancer if inhaled

H400 - Very toxic to aquatic life

H315 - Causes skin irritation

H412 - Harmful to aquatic life with long lasting effects

**Revision Note**

Changes made to the last version are labeled with this sign \*\*\*.

**List of Acronyms**

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CAS Number - Chemical Abstracts Service number

EC Number - EINECS and ELINCS Number

EINECS - European Inventory of Existing Commercial Substances

ELINCS - European List of notified Chemical Substances

IATA - International Air Transport Association

ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG - International Maritime Dangerous Goods

LC50 - Lethal Concentration to 50 % of a test population

LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)

OECD - Organization for Economic Co-operation and Development

PBT - Persistent, Bioaccumulative and Toxic substance

RID - Regulations concerning the International Carriage of Dangerous Goods by Rail

STOT - Specific Target Organ Toxicity

vPvB - Very Persistent and Very Bioaccumulative

**Disclaimer**

**The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**