

SAFETY DATA SHEET

The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Sphinx Extra WDG

Revision date 25-Aug-2022

Version 2 Supersedes Date: 13-Nov-2019

Product Code(s)
FNG56811-27

Print Date 25-Aug-2022 7130260

1. Identification

Product identifier

Sphinx Extra WDG

Other means of identification

Synonyms Dimethomorph Folpet 113 600 WG
Formulation type WG
Registration Number(s) L9294
Pure substance/mixture Mixture

Recommended use of the chemical and restrictions on use

Recommended use Fungicide; Professional use
Uses advised against No information available

Detailed information about the manufacturer, supplier, and/or importer

Supplier ADAMA SOUTH AFRICA (PTY) LTD
Ground Floor, Simeka House
The Vineyards Office Estate
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Emergency telephone number

Emergency Telephone +27 82 446 8946 (Griffon Poison Centre)
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2. Hazard(s) identification

Classification of the substance or mixture

Serious eye damage/eye irritation	Category 2 - (H319)
Carcinogenicity	Category 2 - (H351)
Reproductive toxicity	Category 1B - (H360)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 3 - (H412)

Label elements

Signal word Danger

Hazard pictograms**Hazard statements**

H319 - Causes serious eye irritation
 H351 - Suspected of causing cancer
 H360 - May damage fertility or the unborn child
 H400 - Very toxic to aquatic life
 H412 - Harmful to aquatic life with long lasting effects

Precautionary statements

P102 - Keep out of reach of children
 P203 - Obtain, read and follow all safety instructions before reuse
 P264 + P265 - Wash face, hands and any exposed skin thoroughly after handling. Do not touch eyes
 P273 - Avoid release to the environment
 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
 P318 - If exposed or concerned get medical advice.
 P337 + P317 - If eye irritation persists: Get medical help
 P391 - Collect spillage
 P405 - Store locked up
 P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information

This product is classified as hazardous according to the criteria in South Africa - GHS classification and labelling of chemicals – SANS10234 and the Regulations for Hazardous Chemical Agents - 2021.

Other hazards

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

3. Composition/information on ingredients**Substance**

Not applicable

Mixture**Synonyms**

Dimethomorph Folpet 113 600 WG

Chemical name	CAS No	Weight-%	EC No	INTERNATIONAL GHS CLASSIFICATION	M-Factor
Folpet	133-07-3	57 - 63	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	110488-70-5	10 - 13	404-200-2	Aquatic Chronic 2 (H411) Repr. 1B (H360)	
Benzenesulfonic acid, hydroxy-,	102980-04-	2 - 4		Eye Irrit. 2 (H319)	

polymer with formaldehyde, phenol and urea, sodium salt	1			Aquatic Chronic 3 (H412)	
Alkyl-naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	68425-94-5	1.5 - 2.5	614-476-8	Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)	
disodium maleate	371-47-1	< 1	206-738-1	Acute Tox. 4 (H302) Skin Sens. 1B (H317) STOT SE 3 (H335)	

Full text of H- and EUH-phrases: see section 16

Additional information

Note: The other ingredients do not cause or contribute towards the correct GHS classification of Sphinx Extra WDG and are therefore, in terms of the South African Regulations for Hazardous Chemical Agents - 2021. Regulation 14(b), not listed in the table above.

4. First-aid measures

Description of necessary first aid measures

General advice	In case of accident or if you feel unwell, seek medical advice immediately (show the label where 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. Get medical attention immediately if symptoms occur.
Ingestion	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.

For emergency responders

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

Most important symptoms/effects, acute and delayed

Symptoms None known.

Indication of immediate medical attention and special treatment needed, if necessary

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media

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

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

Specific hazards arising from the chemical No information available.

Specific/special fire-fighting measures

Specific/special fire-fighting measures No information available.

Special protective equipment and precautions for fire-fighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

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.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

Other information Refer to protective measures listed in Sections 7 and 8.

7. Handling and storage**Preventive measures for safe handling**

Advice on safe handling Avoid generation of dust. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

Precautions for safe handling

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection**Control parameters**

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Chemical name	ACGIH TLV
Folpet	TWA: 1 mg/m ³ inhalable particulate matter

133-07-3

Appropriate engineering controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

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).

Eye/face protection Tight sealing safety goggles.

Skin and body protection Use suitable protective clothing and equipment if required, such as safety goggles certified to EN 166, gloves certified to EN 374, protective boots certified to EN 13832, and/or a water repellent woven coverall with 65% polyester and 35 % cotton.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls Local authorities should be advised if significant spillages cannot be contained.

9. Physical and chemical properties**Information on basic physical and chemical properties**

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Appearance			
Physical state	: Solid		
Color	: clear brown		
Odor	: characteristic		
Odor threshold	: No data available		
pH	: 6.14-7.87	CIPAC MT 75.3	aqueous solution 1 %
Melting point / freezing point °C	: No data available		
Boiling point / boiling range °C	: No data available		
Flash point °C	: ----		Not Applicable
Evaporation rate	: No data available		
Flammability (solid, gas)	: Not highly flammable	EEC A.10	
Upper/lower flammability or explosive limits	: No data available		
Vapor pressure kPa	: No data available		
Vapor density	: No data available		
Relative density	: No data available		
Solubility(ies) mg/l	: No data available		
Partition coefficient Log Pow	:		See Section 12 for additional Ecological Information
Autoignition temperature °C	: >423	EEC A.16	
Decomposition temperature °C	: No data available		
Kinematic viscosity mm ² /s 40 °C	: Not applicable		
Explosive properties	: Not an explosive	EEC A.10	
Oxidizing properties	: Not oxidizing	EEC A.14	
Surface tension	: No data available		
Particle Size	: Not applicable		

Other information

Bulk density g/ml : 0.681

10. Stability and reactivity**Reactivity**

Reactivity No information available.

Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Conditions to avoid

Conditions to avoid None known based on information supplied.

Incompatible materials

Incompatible materials None known based on information supplied.

Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

11. Toxicological 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 LC50	: > 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	
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 : H360F - May damage fertility

STOT - Single Exposure**Chemical name**

Folpet : Not classified
 Dimethomorph : Not available

STOT - Repeated Exposure**Chemical name**

Folpet : Not classified
 Dimethomorph : Not available

Aspiration hazard**Chemical name**

Folpet : Not classified
 Dimethomorph : Not available

12. Ecological information**Ecotoxicity****Aquatic toxicity**

Acute toxicity	Values	Species	Method	Remarks
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

Chronic aquatic toxicity

	Values	Species	Method	Remarks
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

Abiotic Degradation**Water DT50 days****Chemical name**

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

Log Pow**Chemical name**

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Folpet	: 3.017		
Dimethomorph	: 2.75	OECD 107 EEC A.8	

Bioconcentration factor (BCF)**Chemical name**

Folpet	: 56	OECD 305E	
Dimethomorph	:		No data available

Adsorption/Desorption**Chemical name**

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

13. Disposal considerations**Disposal methods****Waste from residues/unused products**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Improper disposal or reuse of this container may be dangerous and illegal.

14. Transport information**ADR**

14.1 UN number	UN3077
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Folpet)
14.3 Transport hazard class(es)	9
Labels	9
14.4 Packing group	III
Description	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Folpet), 9, III
14.5 Environmental hazard	Yes
14.6 Special Precautions for Users	
Special Provisions	274, 335, 601, 375
Classification code	M7

RID

14.1 UN number	UN3077
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Folpet)
14.3 Transport hazard class(es)	9
Labels	9
14.4 Packing group	III
Description	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Folpet), 9, III
14.5 Environmental hazard	Yes
14.6 Special Precautions for Users	
Special Provisions	274, 335, 375, 601
Classification code	M7

IMDG

14.1 UN number	UN3077
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Folpet)
14.3 Hazard Class	9
14.4 Packing group	III
Description	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Folpet), 9, III, Marine pollutant
14.5 Marine pollutant	P
Environmental hazard	Yes
14.6 Special Precautions for Users	
Special Provisions	274, 335, 966, 967, 969
EmS-No	F-A, S-F
IMDG Stowage and segregation	Category A SW23
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	No information available

IATA

14.1 UN number	UN3077
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Folpet)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Folpet), 9, III
14.5 Environmental hazard	Yes
14.6 Special Precautions for Users	
Special Provisions	A158, A179, A97, A197
ERG Code	9L



* 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

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

Registration Requirements: Fertilizer, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act 36 of 1947). Pesticide Handling, Storage and Disposal Safety: SANS10206: 2020. Safety Data Sheet and Occupational Exposure Limit Requirements: Regulations for Hazardous Chemical Agents – 2021 – SA Occupational Health and Safety Act. SANS11014:2010. Control of and handling of poisonous/hazardous and non-poisonous/non-hazardous substances/chemicals in workplaces: Hazardous Substances Act, 1973 (Act No.15 of 1973). Occupational Health and Safety Act No. 85 of 1993.

16. Other information

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H332 - Harmful if inhaled

H335 - May cause respiratory irritation
 H351 - Suspected of causing cancer
 H360 - May damage fertility or the unborn child
 H400 - Very toxic to aquatic life
 H411 - Toxic to aquatic life with long lasting effects
 H412 - Harmful to aquatic life with long lasting effects

Date of preparation of the SDS No data available

Revision date 25-Aug-2022

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

Key or legend to abbreviations and acronyms used in the safety data sheet

IMDG International Maritime Dangerous Goods (IMDG)
 IATA International Air Transport Association (IATA)
 ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Abbreviations and 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

The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Classification of the mixture

H319 - Causes serious eye irritation
 H351 - Suspected of causing cancer
 H360 - May damage fertility or the unborn child
 H400 - Very toxic to aquatic life
 H412 - Harmful to aquatic life with long lasting effects

Classification procedure

Classification based on test data
 Classification based on Calculation method
 Classification based on Calculation method
 Classification based on test data
 Classification based on Calculation method

Disclaimer

The information provided in this 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