



## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **FOLPAN 800 WG**  
Item Code:  
Product Use: Fungicide  
Restriction of Use: Refer to Section 15

New Zealand Supplier: ADAMA New Zealand Ltd  
Address: Level 1/19 Elms Street  
Wakatu Estate, Nelson  
Telephone: +64 3 543 8275  
Fax Number: +64 3 543 8274

**Emergency Telephone: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 14 June 2016

### Section 2. Hazards Identification

This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

EPA Approval No: HSR101121

#### Pictograms



Irritant



Chronic



Ecotoxic

Signal Word: **Warning**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.4A	H319	Causes serious eye irritation.	Category 2A
6.5B	H317	May cause an allergic skin reaction.	Category 1
6.7B	H351	Suspected of causing cancer ...	Category 2
9.1A	H400	Very toxic to aquatic life.	Category 1
9.3C	H433	Harmful to terrestrial vertebrates.	

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.

P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code	Storage Statement
P405	Store locked up.

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.
Folpet	78 - 85	133-07-3
phenolsulfonic acid-formaldehyde-polycondensate as sodium salt	2.0-3.0	N/A

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: get medical advice/attention.
If Swallowed	Rinse mouth. Drink plenty of water. 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. Get medical advice if breathing becomes difficult.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Non Flammable solid.
<b>Hazards from</b>	No specific hazard known.

<b>combustion products</b>	
<b>Suitable Extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Precautions for firefighters and special protective clothing</b>	In the event of fire, wear self-contained breathing apparatus In the event of fire and/or explosion do not breathe fumes.
<b>HAZCHEM CODE</b>	<b>2Z</b>

<b>Section 6. Accidental Release Measures</b>
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Wear full protective clothing including eye/face protection. Evacuate area from unnecessary personnel.

Take up mechanically, placing in appropriate containers for disposal.

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.

Dispose of according to Local Regulations.

<b>Section 7. Handling and Storage</b>
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General Hygiene Considerations  
When using do not eat drink or smoke

**Precautions for Handling:**

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- When using do not eat drink or smoke
- Avoid contact with skin, eyes or clothing.
- Wash hands thoroughly after handling.
- Wash contaminated clothing before re-use.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing.
- Use personal protective equipment and local exhaust ventilation as required.

**Precautions for Storage:**

- Store away from incompatible materials listed in Section 10.
- Keep away from children.
- Store locked up.
- Keep container tightly closed in a dry and well-ventilated place.
- Keep in properly labeled containers.

<b>Section 8 Exposure Controls / Personal Protection</b>
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**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m3	ppm	mg/m3

No ingredients has 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

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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.

## Engineering Controls

Ensure adequate ventilation, especially in confined areas.

## Personal Protection

<b>Eyes</b>	Protective glasses or goggles with shield shields must be worn when this product is being used.
<b>Hands and Skin</b>	Suitable protective clothing, Suitable protective clothing, Apron, Gloves made of plastic or rubber.
<b>Respiratory</b>	Not normally required. Product is a dust free granule unlikely to produce respirable dust. If however dust is seen to be present a cartridge type dust mask is recommended.
<b>General</b>	When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended. Do not allow into any sewer, on the ground or into any body of water.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Beige Granules
<b>Odour</b>	Slight Aromatic
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	8.7 – 9.7 (CIPAC MT 75.3)
<b>Boiling Point</b>	Not applicable
<b>Melting Point</b>	Not applicable
<b>Crystallization temperature</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Flammability</b>	Not Flammable (EEC A10)
<b>Upper and Lower Exposure Limits</b>	Not applicable
<b>Vapour Pressure</b>	Not applicable
<b>Density</b>	Not applicable
<b>Relative Density</b>	0.56 -0.66 (CIPAC MT 186)
<b>Solubilities</b>	Not applicable
<b>Partition Coefficient:</b>	Not applicable
<b>Auto-ignition Temperature</b>	Not applicable
<b>Surface tension</b>	Not applicable
<b>Viscosity, dynamic</b>	Not applicable
<b>Bulk Density</b>	0.68 (CIPAC MT 186)

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Conditions to Avoid</b>	Heat, flames and sparks.
<b>Incompatible Materials</b>	No information available.
<b>Hazardous Decomposition Products</b>	None under normal use conditions.

**Section 11 Toxicological Information****Acute Effects:**

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Fatal if inhaled.
<b>Eye</b>	Causes severe eye irritation.
<b>Skin</b>	May cause an allergic skin reaction.

**Chronic Effects:**

<b>Carcinogenicity</b>	Suspected of causing cancer.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

**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 401	
Dermal LD50 mg/kg	: > 2000	Rat	EPA 81-2	
Inhalation LC50 mg/l/4h				Not available
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	: Skin sensitizer	Guinea pig	USEPA 81-6	

**Chronic toxicity****Germ cell mutagenicity**

Chemical Name  
Folpet : Not classified

**Carcinogenicity**

Chemical Name  
Folpet :Suspected of causing cancer

**Reproductive toxicity .** Not toxic to the reproductive system

**STOT-Single exposure** No data available

**Folpet**

**STOT repeated exposure** No data available

**Folpet**

**Aspiration Hazard** No data available

**Section 12. Ecotoxicological Information**

**HSNO Classes:** 9.1A = Very toxic to aquatic life.  
9.3C = Harmful to terrestrial vertebrates.

**Aquatic toxicity**

<b>Acute toxicity</b>	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
<b>Fish 96-hour LC50 mg/l</b>	: 0.22	Oncorhynchus mykiss	EU A.C1	Static
<b>Crustacea 48-hour EC50 mg/l</b>	: 0.68	Daphnia magna	OECD 202	Semi-static
<b>Algae 72-hour EC50 mg/l</b>	: > 10	Scenedesmus subspicatus	OECD 201	

Other plants EC50 mg/l

Not available

**Terrestrial Toxicity**

**Birds Oral LD50 mg/kg**  
Chemical Name

Folpet : >2510 Bobwhite quail EPA 71-1

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

Folpet : >236 EPPO 170 (1992)

**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

**Soil DT50 days**  
Chemical Name

Folpet	: 4.3	SETAC	25° C
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**Biodegradation**  
Chemical Name

Folpet	: Readily biodegradable	OECD 301 B	
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**Bioaccumulative potential**

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

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Folpet	: 3017		20°C

**Bioconcentration factor (BCF)**

Folpet	: 56	OECD 305E	
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**Mobility in soil**

**Absorption/Desorption**

Folpet	: 304		Koc
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**Results of PBT and vPvB assessment**

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

**Other adverse effects**

No information available

**Section 13. Disposal Considerations**

**Disposal Method:** 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.

**Precautions:** Do not allow product to enter waterways.

**Disposal methods to avoid:** Do not burn product or container.

**Section 14 Transport Information**

**This product is classified as a Dangerous Good for transport in NZ; NZS 5433:2012**

**Road and Rail Transport**

UN No:	3077
Class-primary	9
Packing Group	III
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS, SOLID N.O.S.

Air Transport  
 UN No: 3077  
 Class-primary 9  
 Packing Group III  
 Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS, SOLID N.O.S.

Marine Transport  
 UN No: 3077  
 Class-primary 9  
 Packing Group III  
 Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS, SOLID N.O.S.  
 Marine Pollutant Yes

<b>Section 15</b>	<b>Regulatory Information</b>
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EPA Approval Code: HSR101121

HSNO Classification: 6.4A, 6.5B, 6.7B, 9.1A, 9.3C

HSNO Controls	Trigger Quantity
Approved Handler	ANY
Location Certificate	Not required
Tracking Trigger Quantities	ANY
Signage Trigger Quantities	100L(9.1A)
Emergency Response Plan	100L(9.1A)
Secondary Containment	100L(9.1A)

**Additional Controls:**

1. This substance must not be applied into or onto water.
2. This substance must be applied using ground-based methods only.
3. The maximum application rate of this substance is 3125 g product/ha (equivalent to 2500 g folpet/ha).

The maximum application frequency and minimum interval period of this substance must not be more than five applications, at a 7 days' interval, per calendar year

<b>Section 16</b>	<b>Other Information</b>
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**Glossary**

EC50	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
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.
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

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

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Please contact the New Zealand distributor, if further information is required.

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