

Miss Muffet's Revenge Spider Control**SAFETY DATA SHEET**

In accordance with Safe Work Australia COP

Preparation of Safety Data sheets for Hazardous Chemicals 2011 & New Zealand HSNO COP 8-1 2006

Date of Issue: February 2019

1. Identification of the substance/preparation and of the company/undertaking

Product: **Miss Muffet's Revenge Spider Control®**
Item Code: 25510
Product Use: Spider Control
Restriction of Use: Refer to Section 15

Australian Supplier: Wet & Forget (Australia) Pty Ltd
Address: Meridian Building, C4/15 Narabang Way, Belrose 2085, NSW
Telephone: +61 2 9986 2126
Fax Number: +61 2 9986 2077

New Zealand Supplier: Wet & Forget (NZ) Ltd
Address: 38 Apollo Drive, Mairangi Bay, Auckland 0645, New Zealand
Telephone: +64 9 476 4440
Fax Number: +64 9 476 4442
Email: sales@wetandforget.co.nz

Emergency Telephone:
Australia
1800 127 206 (24 hrs)
NSW Poisons Centre - Phone Toll Free 131 126

Date of SDS Preparation: 25 February 2019

2. Hazards identification**Hazard Classification**

Classified as hazardous according to the criteria of NOHSC Approved Criteria for Classifying Hazardous Substances.

Classified as hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals.

Classified as hazardous according to the criteria of HSNO Minimum degrees of hazard regulations.

Not classified as dangerous goods according to the Australian Code for Transport of Dangerous Goods (ADG).

Classified as dangerous goods according to the Transport of Dangerous Goods on Land (NZS5433).

Classification:

GHS Class	HSNO Class	SIGNAL WORD	Hazard Statement
Skin Sensitiser Cat 1	6.5B	Warning	H317 - May cause an allergic skin reaction
Aquatic Toxicity (Acute) Cat 1	9.1A	Warning	H410 - Very toxic to aquatic life with long lasting effects
--	9.4B		H422 - (NZ)Toxic to terrestrial invertebrates

**WARNING****Precautionary Statements:**

P261+P272	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Contaminated clothing should not be allowed out of the workplace.
P280	Wear protective gloves.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/ attention.
P321+P363	Wash contaminated clothing before reuse.
P391	Collect spillage

Risk phrase(s):

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrase(s):

S24 Avoid contact with skin.
 S28.1 After contact with skin, wash immediately with plenty of water.
 S37 Wear suitable gloves.
 S60 This material and its container must be disposed of as hazardous waste.
 S61 Avoid release to the environment.

3. Composition/information on ingredients

Chemical characterization - Bifenthrin ready to use solution

Hazardous ingredients

Component	CAS #	EC #	Proportion
Bifenthrin	82657-04-3	--	0.05%
Butyl Oxitol	111-76-2	203-905-0	<1 %
isothiazolinones	55965-84-9	--	<0.0015%

4. First aid measures**After contact with skin**

Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash before re-use.

After contact with eyes

Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists, get medical advice/attention.

After inhalation

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

After ingestion

Rinse mouth. Call a POISON CENTER or doctor/ physician if you feel unwell.

Advice to doctor

Treat symptomatically

5. Fire-fighting measures

Suitable extinguishing media

All

Extinguishing media that must not be used for safety reasons

No restrictions

Special hazards arising from the substance or mixture

Toxic fumes that may be released during fire: Carbon oxides, hydrogen chloride and - fluoride may be released during fire.

Special protective equipment for firefighting

Firefighters should use self-contained breathing apparatus and protective clothing in case of fire

Further information

Cool container and metallic parts with a water spray jet

6. Accidental release measures

Personal precautions

Ensure adequate ventilation.

Use personal protective clothing.

Environmental precautions

Do not allow to enter drains, sewers or other aquatic environments.

Methods for cleaning up/taking up

Absorb spills with inert material, vacuum, shovel or pump spilled material and place in waste containers.

Prevent material from entering waterways.

Clean equipment with water.

Additional information

Must not be released into sewers, drains or wells.

7. Handling and storage

Advice on safe handling

Ensure adequate ventilation.

Keep containers tightly closed

Advice on protection against fire and explosion

No special measures required

Further information on storage conditions

Store in original container tightly closed and in a locked, cool, dry, ventilated area away from foodstuffs

8. Exposure controls / personal protection

National exposure standards:

HSIS-AU Exposure limitations

Substance	CAS #	TWA	STEL
2-Butoxy ethanol (skin)	111-76-2	20 ppm 96.9 mg/m ³	50 ppm 242mg/m ³

Workplace Exposure Standards-NZ

Substance	CAS #	TWA	STEL
2-Butoxy ethanol (skin)	111-76-2	25 ppm 121 mg/m ³	--

Occupational exposure controls

General protective measures

Avoid contact with skin

Avoid contact with eyes

Hygiene measures

Keep away from food, drink and animal feedstuffs. No eating, drinking or smoking during use and wash hands and face before breaks and after work. Wash contaminated clothing before re-use.

Engineering controls

Emergency eye wash stations. Use only in well-ventilated areas.

Respiratory protection: Wear respirator if ventilation is insufficient

Hand protection: Nitrile, PVC or Rubber gloves

Eye protection: Safety glasses with side protection shield

Body protection: Protective clothing

9. Physical and chemical properties

Physical state:	Liquid
Colour:	Slightly cloudy
Odour:	None, not disagreeable
pH value:	5 - 6 (20 °C, 10 g/l)
Melting point:	Not applicable
Boiling point:	Not applicable (1013 hPa)
Flash point:	Not applicable
Ignition temperature:	Not tested
Self-ignition temperature:	Not tested
Evaporation rate:	Not tested
Flammability:	Not applicable
Vapour pressure:	Not applicable
Density:	Not applicable
Bulk density:	1.050 g/cm ³
Solubility in water:	Soluble
Octanol/water partition coefficient (log Pow):	Not available
Viscosity (dynamic):	Not available

10. Stability and reactivity

Chemical stability

Stable

Possibility of hazardous reactions

None

Hazardous decomposition products

When handled and stored appropriately, none.

Conditions to avoid

Strong oxidizing agents.

Materials to avoid

Not known

11. Toxicological information

Information on toxicological effects

Information related to the product itself:

Acute oral toxicity:	LD ₅₀ > 5000 mg/kg (Calculated by HSNO mixture rules)
Acute dermal toxicity:	LD ₅₀ >5000 mg/kg (Calculated by HSNO mixture rules) Bifenthrin 100% LD ₅₀ , 43 mg/kg (mouse)
Acute inhalation toxicity:	LC ₅₀ >100mg/l (Calculated by HSNO mixture rules)
Irritant effect on eye:	Non-irritant
Irritant effect on skin:	Causes mild skin irritation.
Sensitization:	May cause sensitization – isothiazolinones classified as sensitisers at >0.0015% Other notes: Bifenthrin has been identified as a substance that could cause paresthesia (a temporary burning, itching, tingling and numbness most common in the face, occurring 1-2 hours after the beginning of exposure and resolving spontaneously)
Repeated dose toxicity:	Not tested
Assessment of mutagenicity:	Not tested
Assessment of carcinogenicity :	Not tested
Assessment of toxicity to reproduction :	Not tested

12. Ecological information

Ecotoxicity Calculated by summation this product is classified as Very eco-toxic

Bifenthrin fish toxicity: LC₅₀, 0.00015 mg/L,
Rainbow trout, 96 hr
Bifenthrin is highly toxic to fish and aquatic arthropods and LC₅₀ values range from 0.00015 to 17.8 µg/L. In general, the aquatic arthropods are the most sensitive species. Care should be taken to avoid contamination of the aquatic environment.

Bifenthrin Crustacean toxicity: LC₅₀ 0.07 ug/L (= 0.00007 mg/l)
Ceriodaphnia dubia Water flea
Static exposure, 48 hr

Other eco-toxicity information:

Bifenthrin had no effect on mollusks at its limit of water solubility. Bifenthrin is only slightly toxic to both waterfowl and upland game birds (LD₅₀ values range from 1,800 mg/kg to >2,150 mg/kg).
2-Butoxyethanol has LD₅₀ 300mg/kg, rabbit.

Environmental data

Bifenthrin has moderate stability in the soil under aerobic conditions (half-life range from 65 - 125 days depending on soil type) and is stable at a wide range of pH values. Bifenthrin has a high Log Pow (>6.0), a high affinity for organic matter, and is not mobile in soil.
Therefore, there is little potential for movement into ground water. There is the potential for bifenthrin to bioconcentrate (BCF = 11,750).

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13. Disposal considerations

Product

Do not discharge into drains or the environment.

Dispose of in accordance with local authority regulations

In NZ see <http://www.legislation.co.nz/regulation/public/2001/0119/latest/DLM41657.html>

Un-cleaned packaging

Consider recycling.

Regulations concerning reuse or disposal of used packaging materials must be observed.

14. Transport information

Land : ADG

Not classified as dangerous goods according to the Australian Code for Transport of Dangerous Goods (ADG) if transported in IBCs or packs less than 500kg.

Land : NZS5433

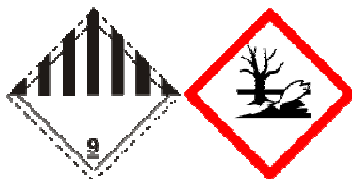
UN Number	3082
Proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S (Bifenthrin 0.5%)
Hazard Inducer	(Bifenthrin 0.5%)
Dangerous Goods Class	9
Packaging Group	III
Hazchem Code	3Z
Marine Pollutant	Yes

Air : IATA

UN Number	3082
Proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S (Bifenthrin 0.5%)
Hazard Inducer	(Bifenthrin 0.5%)
Dangerous Goods Class	9
Packaging Group	III
Hazchem Code	3Z
Marine Pollutant	Yes

Sea : IMDG

UN Number	3082
Proper shipping name	Environmentally Hazardous Substance, Solid, N.O.S (Bifenthrin 0.5%)
Hazard Inducer	(Bifenthrin 0.5%)
Dangerous Goods Class	9
Packaging Group	III
Hazchem Code	3Z
Marine Pollutant	Yes
EMS	F-A, S-F



15. Regulatory information

New Zealand Information:

HSNO Approval Number: HSR101007

Tracking: Not required in relation to TR1. Managed under other controls.

Approved Handler:

This substance must be under the personal control of an approved handler when the substance is –

- (a) Applied in a wide dispersive manner; or
- (b) Used by a commercial contractor.

NZIoC: All components are listed on the New Zealand Inventory of Chemicals.

Australian Information:

Poison schedule (SUSMP): Sched 6 -- Butoxyethanol

AICS: All components are listed on the Australian Inventory of Chemical Substances.

16. Other information

Other information: This safety data sheet was prepared using data from the supplier version of safety data sheet.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

Since the actual use of this product is beyond the control of Wet & Forget Ltd, we make no warranty, expressed or implied, concerning the use of this product. It is the responsibility of users to ascertain that the product is suitable for intended applications.