

Infosafe No™ 3NUYG	Issue Date : June 2017	ISSUED by NUFARM
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 Product Name **BETAMITE 300WG Miticide**

Classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	BETAMITE 300WG Miticide
<b>Product Code</b>	1057
<b>Product Type</b>	Group 12C Insecticide
<b>Company Name</b>	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
<b>Address</b>	103-105 Pipe Road Laverton North Victoria 3026 Australia
<b>Telephone/Fax Number</b>	Tel: +61 3 9282-1000 Fax: +61 3 9282-1001
<b>Emergency phone number</b>	1800 033 498 (24hr Australia)
<b>Recommended use of the chemical and restrictions on use</b>	For the control of mites in various fruit and vegetable crops and in ornamentals as per the Directions for Use table on the label.
<b>Other Information</b>	This Safety Data Sheet describes the properties of the concentrated product. The physical properties and the assessments may not apply to the properties of the product once it has been diluted for application.

## 2. Hazard Identification

<b>GHS classification of the substance/mixture</b>	Acute Toxicity - Inhalation: Category 3 Eye Damage/Irritation: Category 1 Skin Corrosion/Irritation: Category 2 Carcinogenicity: Category 2
<b>Signal Word (s)</b>	DANGER
<b>Hazard Statement (s)</b>	Toxic if inhaled. Causes serious eye damage. Causes skin irritation. Suspected of causing cancer.
<b>General Precautionary Statement (s)</b>	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use.
<b>Pictogram (s)</b>	Corrosion, Health hazard, Skull and crossbones, The below pictograms are GHS Hazard symbols for workplace use only. See SECTION 14 for Dangerous Goods information.



<b>Precautionary statement – Prevention</b>	Avoid breathing vapours and spray. Wear protective gloves, clothing, eye and face protection. Wash hands and exposed skin thoroughly after handling.
<b>Precautionary statement – Response</b>	IF EXPOSED OR CONCERNED: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. Specific treatment (see first aid instructions on this SDS). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
<b>Other Information</b>	Poisons Schedule S6

## 3. Composition/information on ingredients

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**Chemical** Solid

**Characterization**

**Ingredients**

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Propargite	2312-35-8	300 g/kg
Perlite	93763-70-3	30-60 %
Talc	14807-96-6	10-30 %
Other ingredients (non-hazardous)		0-10 %

#### 4. First-aid measures

**Inhalation** Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice immediately.

**Ingestion** Rinse mouth and then drink plenty of water.  
Do not give anything by mouth to a semi-conscious or unconscious person.  
If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

**Skin** Wash affected areas thoroughly with soap and water.  
Remove contaminated clothing and launder before re-use.

**Eye contact** If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.  
Seek medical advice immediately.

**Advice to Doctor** Treat symptomatically.

#### 5. Fire-fighting measures

**Suitable extinguishing media** If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.

**Hazards from Combustion** Non-combustible.  
May emit hazardous smoke and fumes if involved in fires or exposed to extreme heat.

**Products**

**Special Protective Equipment for fire fighters** Breathable air apparatus should be worn when fighting a fire in which this product is involved.

**Other Information** STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

#### 6. Accidental release measures

**Spills & Disposal** Recover the product by sweeping up or vacuuming without raising dust.  
Collect spilled material and waste in sealable open-top type containers for disposal.  
On-site disposal of concentrate is not acceptable.  
Dispose of at a landfill in accordance with local regulations.

**Personal Protection** For appropriate personal protective equipment (PPE), refer Section 8.

#### 7. Handling and storage

**Precautions for Safe Handling** Do NOT contaminate dams, rivers or streams, or any other water bodies with pesticide or used containers.  
Avoid generating dusts while handling the product and mixing.

**Conditions for safe storage, including any incompatibilities** Store in the closed, original container in a cool, well ventilated area.  
Do not store for prolonged periods in direct sunlight.

#### 8. Exposure controls/personal protection

**Occupational exposure limit values** Safe Work Australia has set the following exposure standard for talc (inspirable dust) : TLV (TWA) 2.5 mg/m<sup>3</sup>, STEL -.  
Safe Work Australia has set the following exposure standard for perlite dust : TLV (TWA) 10 mg/m<sup>3</sup>, STEL -.

**Appropriate engineering controls** Handle in well ventilated areas, generally natural ventilation is adequate.

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<b>Respiratory Protection</b>	If dusts are present, wear a dust mask.
<b>Personal Protective Equipment</b>	When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. See re-entry period information on the label for this product.
<b>Hygiene Measures</b>	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.
<b>Requirements Concerning Special Training</b>	Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

## 9. Physical and chemical properties

<b>Form</b>	Solid
<b>Appearance</b>	Beige granules.
<b>Solubility in Water</b>	Disperses in water.
<b>Vapour Pressure</b>	0.04 mPa
<b>Partition Coefficient: n-octanol/water</b>	Kow Log P is 5.70 for propargite
<b>Flammability</b>	Non combustible material.

## 10. Stability and reactivity

<b>Chemical Stability</b>	Hydrolyses at pH >7.
<b>Possibility of hazardous reactions</b>	Keep away from strong acids, bases and oxidising materials.

## 11. Toxicological Information

<b>Acute Toxicity - Oral</b>	LD50 (rat) 2800 mg/kg for propargite
<b>Acute Toxicity - Dermal</b>	LD50 (rat) >2000 mg/kg for propargite
<b>Acute Toxicity - Inhalation</b>	LC50 (rat) (4hr) 0.89 mg/l for propargite
<b>Ingestion</b>	Possible symptoms of exposure include: nausea, vomiting and diarrhoea. No specific symptoms.
<b>Inhalation</b>	Breathing in high concentrations of dusts or aerosols of this material may cause nausea and irritation of the nose, throat and respiratory tract. Respiratory symptoms associated with pre-existing lung disorders (e.g. asthma-like conditions) may be aggravated by exposure to this material.
<b>Skin</b>	Prolonged contact with the concentrate may cause irritation.
<b>Eye</b>	The concentrate will cause severe irritation and possible damage unless washed off immediately.
<b>Skin Sensitisation</b>	Product is not a skin sensitiser.
<b>Carcinogenicity</b>	Rare bowel tumours have been found in one species of rat in a lifetime exposure study. Other species of rat and other test animals did not form the same tumour.
<b>Reproductive Toxicity</b>	No such effects have been observed in the absence of maternal toxicity.
<b>Serious eye damage/irritation</b>	Propargite is a severe eye irritant. Risk of serious damage to eyes.
<b>Mutagenicity</b>	The weight of evidence indicates that propargite does not present a mutagenic risk.
<b>Skin corrosion/irritation</b>	May cause irritation.
<b>Other Information</b>	The Australian Acceptable Daily Intake (ADI) for propargite for a human is 0.002 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 2 mg/kg/day, the level determined to show no effects

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during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Aust Govt Dept. of Health, Office of Chemical Safety, 'ADI List', March 2016).

## 12. Ecological information

<b>Persistence and degradability</b>	Half life in soil is typically 50 - 60 days.
<b>Known Harmful Effects on the Environment</b>	The product is a marine pollutant for sea transport.
<b>Acute Toxicity - Fish</b>	The following is data for the active ingredient, propargite . Toxic to fish. LC50 (96hr) for rainbow trout is 0.043 mg/l.
<b>Acute Toxicity - Daphnia</b>	EC50 (48hr) for daphnia magna is 0.014 mg/l for propargite .
<b>Acute Toxicity - Algae</b>	LC50 (96 hr) for Selenastrum capricornutum is >1.08 mg/l. (no effects at the highest level tested)
<b>Acute Toxicity - Other Organisms</b>	Birds: Not toxic to birds. LD50 for mallard ducks is >4640 mg/kg

## 13. Disposal considerations

<b>Product Disposal</b>	On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).
<b>Container Disposal</b>	Do not use this container for any other purpose. Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, puncture or shred and bury containers in local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. For disposal of bag in box containers:- Shake bag contents into spray tank until the bag is empty. Puncture or shred and bury containers in local authority landfill.

## 14. Transport information

<b>Storage and Transport</b>	Considered non dangerous for road and rail transport (in packaging) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01. For bulk shipments as Class 9, use UN 3077, HazChem code 2Z.
<b>UN Number (Sea Transport)</b>	3077
<b>IMO Class/Packing Group</b>	Class 9, Packing Group III
<b>IMO Marine Pollutant</b>	Marine Pollutant
<b>IMO Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains Propargite)

## 15. Regulatory information

<b>Regulatory Information</b>	WHS Schedule 11, item 35 ( acute toxicity, category 3 )
<b>Poisons Schedule</b>	S6
<b>Packaging &amp; Labelling</b>	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
<b>Other Information</b>	This product is registered with the Australian Pesticides and Veterinary



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Medicines Authority (APVMA). APVMA product number: 61219.

## 16. Other Information

**Date of preparation** 27/06/2017

**or last revision of  
SDS**

**Contact Person/Point** Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000  
After Hours: Shift Supervisor Phone: 1800 033 498

**Revisions** The SDS was reviewed. Minor changes were made to the information and product  
**Highlighted** has been rebranded.

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