



# Bio-Care Technology Pty Ltd

## Safety Data Sheet

Page: 1/9

Bio-Care Safety Data Sheet  
Date / Revised: 06/23/2023  
Product: **NOGALL**<sup>®</sup>

Version: 1.0

Date of print: 06/23/2023 USA/EN

### 1. IDENTIFICATION: Substance/preparation and manufacturer/supplier

**NOGALL**<sup>®</sup>

EPA Reg. No. 93445-1

Use: Biological pesticide for Crown Gall disease control.

Supplier:

Bio-Care Technology Pty Ltd  
248 Tyagarah Road  
MYOCUM, NSW 2481 AUSTRALIA  
Telephone: +61 2 6684 7235

Distributed in the U.S. for Bio-Care Technology Pty Ltd by:  
Evergreen Growers Supply, LLC  
15875 SE 114<sup>th</sup> Avenue, Building 1 Suite G: Clackamas, OR 97015  
1-503-908-1946

Emergency information:

Medical: Poison Control: 1-800-222-1222

### 2. Hazard Identification

Classification of the substance and mixture:

No need for classification according to GHS criteria for this product.

Label elements and precautionary statement:

Precautionary Statement:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.

The product does not require a hazard warning label in accordance with GHS criteria.

Other hazards which do not result in classification:

See section 12 - Results of PBT and vPvB assessment.

Micro-organisms may have the potential to provoke sensitizing reactions.

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### 3. Composition/Information on Ingredients

#### Chemical nature

Contains: biological beneficial microorganism

Does not contain any hazardous ingredients.

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### 4. First-Aid Measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

On skin contact:

Wash thoroughly with soap and water

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Rinse mouth and then drink 200-300 ml of water.

Note to physician:

Symptoms: (Further) symptoms and / or effects are not known so far

Treatment: Symptomatic treatment (decontamination, vital functions).

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### 5. Fire-Fighting Measures

Suitable extinguishing media:

water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:

carbon dioxide

Specific hazards:

carbon monoxide, carbon dioxide, nitrogen oxides

The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. Collect contaminated extinguishing water separately, do not allow to reach sewage

or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental Release Measures

### Personal precautions:

Avoid dust formation. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

### Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

### Methods for cleaning up or taking up:

For small amounts: Contain with dust binding material and dispose of.

For large amounts: Sweep/shovel up.

Avoid raising dust. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

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## 7. Handling and Storage

### Handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

### Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

### Storage

Segregate from foods and animal feeds. Segregate from strong oxidizing agents. Segregate from metals.

Further information on storage conditions: Keep away from heat. Protect against moisture. Protect from direct sunlight.

Refrigeration required.

### Storage stability:

Storage temperature: 2 - 8 °C

If an expiry date is mentioned on the packaging/label this takes priority over the statements on storage duration in this safety data sheet.

Protect from temperatures below: 2 °C

Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time.

Protect from temperatures above: 25 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

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## 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

No occupational exposure limits known.

### Personal protective equipment

Respiratory protection:

Respiratory protection not required.

Hand protection:

Hand protection not required.

Eye protection:

Eye protection not required.

Body protection:

Body protection not required.

General safety and hygiene measures:

Wearing of closed work clothing is recommended. The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

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## 9. Physical and Chemical Properties

Form: solid

Colour: black

Odour: earthy

Odour threshold: Not determined due to potential health hazard by inhalation.

pH value: approx. 6 - 7  
(20 °C)

Melting point: > 20 °C

Boiling temperature The product has not been tested

Flash point: Not applicable

Evaporation rate: Not applicable

Flammability (solid/gas): Based on the structure or composition there is no indication of flammability

Bio-Care Safety Data Sheet  
Date / Revised: 06/23/2023  
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Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self ignition:	Based on its structural properties the product is not classified as self-igniting.
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.
Vapour pressure:	not applicable
Relative density:	approx. 0.7 (20 °C)
Relative vapour density (air):	not applicable
Solubility in water:	dispersible
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Viscosity, dynamic:	not applicable, the product is a solid

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## 10. Stability and Reactivity

Conditions to avoid:  
See SDS section 7 - Handling and storage.

Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
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Bio-Care Safety Data Sheet  
Date / Revised: 06/23/2023  
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Substances to avoid:	strong acids, strong bases, strong oxidizing agents, aluminum compounds, zinc alloys, copper alloys, nickel alloys
Hazardous reactions:	No hazardous reactions if stored and handled as prescribed/indicated.
Hazardous decomposition products:	No hazardous decomposition products if stored and handled as prescribed / indicated.

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## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

### Irritation

Assessment of irritating effects:

Not irritating to the eyes. Not irritating to the skin.

### Respiratory / Skin sensitization

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential.

### Germ cell mutagenicity

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

### Carcinogenicity

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies gave no indication of a carcinogenic effect.

### Reproductive toxicity

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

### Developmental toxicity

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

**Specific target organ toxicity (single exposure):**

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

**Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. No substance-specific organotoxicity was observed after repeated administration to animals.

**Aspiration hazard**

No aspiration hazard expected. The product has not been tested. The statement has been derived from the properties of the individual components.

**Other relevant toxicity information**

Misuse can be harmful to health.

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**12. Ecological Information****Ecotoxicity**

Assessment of aquatic toxicity: There is a high probability that the product is not acutely harmful to aquatic organisms.

**Mobility**

Assessment transport between environmental compartments: not applicable

**Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O): not applicable

**Bioaccumulation potential**

Assessment bioaccumulation potential: not applicable

**Additional information**

Other ecotoxicological advice: Do not discharge product into the environment without control.

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### 13. Disposal Considerations

Dispose of in accordance with national, state and local regulations.

Contaminated packaging:	Contaminated packaging should be emptied as much as possible and disposed of in accordance with official regulations after being thoroughly cleaned.
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### 14. Transport Information

<b>Domestic transport:</b>	Not classified as a dangerous good under transport regulations
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<b>Sea transport</b> IMDG	Not classified as a dangerous good under transport regulations
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<b>Air transport</b> IATA/ICAO	Not classified as a dangerous good under transport regulations
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## 15. Regulatory Information

**FIFRA (Federal Insecticide, Fungicide and Rodenticide Act, as Amended):** This product is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for Safety Data Sheets and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including Directions for Use.

### **FIRST AID**

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Hotline Number:** Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact Poison Control for emergency medical treatment information: 1-800-222-1222.

### **PRECAUTIONARY STATEMENTS**

#### **Hazards to Humans & Domestic Animals**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

#### **Personal Protective Equipment (PPE):**

**Applicators and other handlers must wear:** Long-sleeved shirt and long pants; Waterproof gloves; and Shoes plus socks. Mixers/loaders and applicators must wear a NIOSH-approved particulate respirator with any N, R, or P filter with NIOSH approved number prefix TC-84A; or a NIOSH-approved powered air purifying respirator with HE filter with NIOSH approval number prefix TC-21C. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **User Safety Recommendations:**

**Users should:** Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **Environmental Hazards:**

**DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not Scheduled

## 16. Other Information

None.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This Safety Data Sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.