



SAFETY DATA SHEET

BORONIA MO

Date of Issue: 17 January 2017

1. IDENTIFICATION

Product Identifier: **BORONIA MO**

Other Means of Identification: None

Recommended Use of the Chemical and Restrictions on Use: **Fertiliser – mixture of nutrients and trace elements for plants**

Details of Manufacturer or Importer: AgNova Technologies Pty Ltd
Suite 3/935 Station Street
Box Hill North Vic 3129
Australia
(03) 9899 8100
www.agnova.com.au

Emergency Phone Number: 1800 033 111 (24 hrs)

2. HAZARD(S) IDENTIFICATION

GHS Classification: Not classified as hazardous according to the GHS

ADG Classification: Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail 7th Edition (see section 14)

SUSMP Classification: Not scheduled
(Standard for Uniform Scheduling of Medicines and Poisons)

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (w/v):
Non-hazardous ingredients	-	100%

4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (Phone 13 11 26), and follow the advice given. Show this Safety Data Sheet to a doctor.

Description of Necessary First Aid Measures:

Ingestion: Seek medical attention, showing the label. Give nothing by mouth. Do not induce vomiting.

Inhalation: Remove the victim to fresh air. In case of respiratory problems, consult a doctor/medical service.

Skin contact: Wash with plenty of water and soap. In case of redness or irritation, consult a doctor/medical service.

Eye contact: Reset contact lenses.

First Aid Facilities: Provide washing facilities in the workplace.

Symptoms Caused by Exposure:
 Symptoms/lesions after inhalation: cough, respiratory tract irritation.
 Symptoms/lesions after skin contact: skin irritation, redness.
 Symptoms/lesions after eye contact: corrosion, irritation of the eye tissues.
 Symptoms/lesions after ingestion: abdominal pain, nausea.

Medical Attention and Special Treatment: Symptomatic treatment.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Equipment: In the event of a fire, use sprayed water or water mist, foam, powder or carbon dioxide (CO₂).
 The choice of the method depends on the other products present. Do not use a strong water jet due to danger of spreading of the product.

Specific Hazards Arising from the Chemical: Product is non-flammable. A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed: nitrogen oxide (NO), ammonia (NH₃).

Special Protective Equipment and Precautions for Fire Fighters: Precautions against fire: like in case of all fires involving chemicals, wear appropriate protective equipment (chemical protective clothing, boots and gloves).

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	See sections 7 and 8. <i>For non first aid worker:</i> If spill is large, evacuate all personnel and only allow intervention by trained operators and equipped with individual protection equipment appropriate (refer to Section 8). <i>For first aid worker:</i> Ensure first aid workers are equipped with suitable personal protective equipment (See section 8).
Environmental Precautions:	Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways. If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures.
Methods and Materials for Containment and Cleaning Up:	Clean preferably with a detergent, do not use solvents. Ventilate the area and recover by pumping the product for re-use. If this is not possible, cover the product with dry sand or vermiculite, mix and sweep up. Transfer to a suitable container properly labeled and dispose via an authorized waste disposal company.

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Always wash hands after handling. Avoid inhalation of spray. Prevent access by unauthorised personnel. In all cases, the usual precautionary measures for handling chemicals should be observed. Personal protection: see section 8. When handling do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Ensure adequate ventilation. Observe precautions stated on the label and industrial safety regulations.
Conditions for Safe Storage, including any Incompatibilities:	Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. Keep in the original, closed and labelled container. Store at 0°C – 35°C. Replace the label in case of split of packaging.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure	No data available.
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Standards:

Biological Monitoring: No data available.

Control Banding: No data available.

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Individual Protection Measures, for example, Personal Protective Equipment (PPE): Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using.

Eye/face protection: Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles in accordance with compliance standard.

Skin protection: Wear suitable protective gloves in the event of prolonged or repeated skin contact. Type of gloves recommended: natural latex, nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR)), PVC (polyvinyl chloride), butyl rubber (Isobutylene-isoprene copolymer).

Wear suitable protective clothing, in particular overalls and boots. These items must be kept in good condition and cleaned after use. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

Respiratory protection: In case of aerosol or the formation of fine liquid particles, it is recommended to wear appropriate respirator fitted with an air purifier in accordance with an approved standard if a risk assessment indicates this is necessary. Otherwise, wear a disposable half-mask aerosol filter in accordance with an approved standard.

Thermal hazards: No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Opaque dark brown liquid
Odour: Odourless
pH (aqueous solution): 8.8 ± 0.6 (10 g/L)
pH: 8.1 ± 0.6
Vapour Pressure: Not relevant
Boiling Point: Not relevant

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Melting Point: No relevant
Solubility: Soluble
Density: 1330 ± 1.5% g/dm³
Flash Point: Not relevant
Auto-Ignition Temperature: Not relevant
Decomposition Temperature: Not relevant

10. STABILITY AND REACTIVITY

Reactivity: Not applicable

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: According to our knowledge, this product does not present any particular hazard under normal conditions of use and storage.

Conditions to Avoid: Avoid frost, exposure to light.

Incompatible Materials: Reactive or incompatible with strong acids, strong oxidizing agents, halogenated compounds.

Hazardous Decomposition Products: Thermal decomposition products may include nitrogen oxide (NO); ammonia (NH₃).

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available. Based on the components, it is possible LD₅₀ (oral, rat) >2000 mg/kg

Skin Corrosion/Irritation: Slight erythema observed or no irritant effect

Serious Eye Damage/Irritation: Little or non-irritating to the ocular tissue

Respiratory or No sensitizing effects known



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Skin

Sensitisation:

Germ Cell Mutagenicity: No evidence of this effect was found

Carcinogenicity: No evidence of this effect was found

Reproductive Toxicity: No evidence of this effect was found

Specific Target Organ Toxicity (STOT) – single exposure: No data available

Specific Target Organ Toxicity (STOT) – repeated exposure: No data available

Aspiration Hazard: No data available

Information on Likely Routes of Exposure:

No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data on the preparation is available. The nutrients (mineral salts) contained in this product are essential for good plant growth, but likely to be harmful in large amounts to susceptible plants and aquatic organisms. It is therefore necessary to minimize the amount of product released into the environment, except as part of a rational fertilization program for the plants, preferably after a soil test and/or plant tissues.

Persistence and Degradability: Not applicable



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Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: No data available

13. DISPOSAL CONSIDERATIONS

Disposal Containers and Methods:

It is recommended to avoid or minimize waste generation. Disposal of this product, solutions and by-products should at all times comply with the requirements for environmental protection and disposal of waste and the requirements of all local authorities. Do not pour into drains or waterways. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment. Empty container completely. Keep label(s) on container.

14. TRANSPORT INFORMATION

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail 7th Edition

UN Number: Not applicable
Proper Shipping Name or Technical Name: Not applicable
Transport Hazard Class: Not applicable
Packing Group: Not applicable
Environmental Hazards for Transport Purposes: Not a marine pollutant
Special Precautions for User: Not applicable
Additional Information:
Hazchem Code: Not applicable



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15. REGULATORY INFORMATION

APVMA Registration not required

SUSMP Not scheduled

16. OTHER INFORMATION

Abbreviations and Acronyms: APVMA – Australian Pesticides and Veterinary Medicines Authority
NOHSC – National Occupational Health and Safety Commission
SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons
GHS - Globally Harmonized System of Classification and Labelling of Chemicals

Date of Preparation or Revision: January 2017.

Reason for Revision: To comply with GHS.

Data Sources: Manufacturer product safety data and published data

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.

The opinions expressed herein are those of qualified experts with the manufacturer. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of AgNova Technologies Pty Ltd, it is the user's obligation to determine the conditions of safe use of the product.

END OF SDS