

## SAFETY DATA SHEET

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

Product: **Bud Max**  
 Item Code:  
 Product Use: Fertiliser  
 Restriction of Use: Refer to Section 15

New Zealand Supplier: Horticulture Ltd  
 Address: 10 Firth Street  
 Drury, 2113

Telephone: +64 9 294 8453  
 Fax Number: +64 9 294 7272

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

Date of SDS Preparation: 21 February 2020

### Section 2. Hazards Identification

**This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017**

**EPA Approval No: Fertiliser (subsidiary) – HSR002571**

#### Pictograms



Irritant      Chronic

Signal Word: **Warning**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.3B	H316	Causes mild skin irritation.	Skin Irrit. 3
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A
6.8B	H361	Suspected of damaging fertility or the unborn child.	Repr. 2
9.1D	H402	Harmful to aquatic life.	Aquatic Acute 3

Prevention Code	Prevention Statement
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.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.
P281	Use personal protective equipment as required.

Response Code	Response Statement
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.
P332 + P313	If skin irritation 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	Dispose of according to Local Regulations or Authorities

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Boric Acid	30-40	10043-35-3

### 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 call doctor/physician.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Rinse mouth with water. Give lots of water to drink. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. 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.

#### Most important symptoms and effects, both acute and delayed

Symptoms:	Refer to Section 11
<b>Ingestion:</b>	AFTER INGESTION OF HIGH QUANTITIES: Gastrointestinal complaints. Nausea.
<b>Inhalation:</b>	Not applicable.
<b>Skin:</b>	Causes mild skin irritation.
<b>Eyes:</b>	Causes severe eye irritation.
<b>Chronic:</b>	Suspected of damaging fertility or the unborn child.
<b>Treatment:</b>	Treat symptomatically.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Non Flammable, Non-combustible material.
<b>Hazards from decomposition products</b>	On heating/burning: release of toxic and corrosive gases/vapours nitrous vapours.
<b>Suitable Extinguishing media</b>	Making extinguishing agents environment-friendly. Do not use high volume water jet.
<b>Precautions for firefighters and special protective clothing</b>	Fire fighters have to wear suited clothing and an independent repertory device (SCBA) that covers the face completely with pressure. Clothing for fire fighters (including helmets, protective boots and gloves) give a basic protection level for an incident with chemicals. Exposure to fire/heat: keep upwind. Use water moderately and if possible collect or contain it. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
<b>HAZCHEM CODE</b>	<b>None allocated</b>

## **Section 6. Accidental Release Measures**

Wear appropriate protective clothing. Ensure adequate ventilation. Avoid inhalation of product. Avoid raising dust. Mark the danger area. In case of dust production: keep upwind.

Do not empty into drains. Retain and dispose of contaminated wash water.

Clean spills promptly. Stop leak if safe to do so. Knock down/dilute dust cloud with water spray. Methods for cleaning up: Mechanically recover the product. Minimise generation of dust. Scoop solid spill into closing containers. Wash away remainder with plenty of water. Not in groundwater, surfacewater or sewerage. Dispose of according to Local Regulations detailed in Section 13.

## **Section 7. Handling and Storage**

### **Precautions for Handling:**

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid release to the environment.
- Avoid dust formation.
- Keep away from naked flames/heat. Comply
- Hygiene measures: Do not eat, drink or smoke when using this product. Always wash' hands after handling the product. Wash contaminated clothing before reuse. The substance must be handled in accordance with good industrial hygiene and safety procedures.
- Wear protective clothing as detailed in Section 8.
- Use personal protective equipment as required.

### **Precautions for Storage:**

- Store locked up.
- Keep away from water and substances listed in section 10 "materials to avoid".
- Keep container closed when not in use.
- Provide local exhaust or general room ventilation.
- Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.
- KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.
- KEEP SUBSTANCE AWAY FROM: water/moisture.
- Store at ambient temperature.
- Unauthorized persons are not admitted. Meet the legal requirements.
- Packaging materials: plastics. paper with plastic inner lining. glass.

## **Section 8 Exposure Controls / Personal Protection**

### **WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

**Substance****TWA**  
**ppm mg/m<sup>3</sup>****STEL**  
**ppm mg/m<sup>3</sup>**

No ingredients have 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 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. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

**Engineering Controls**

Provide sufficient air exchange and/or exhaust.

**Personal Protection Equipment**

<b>Eyes</b>	Tightly fitting safety goggles. EN166
<b>Skin</b>	Wear Nitrile rubber, latex gloves with Permeation of 6 (>480minutes). EN ISO 374. Wear protective clothing.
<b>Respiratory</b>	Dust Mask. Filtering Half-face mask. Type P2 EN143
<b>General</b>	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Solid Granular Powder
<b>Colour</b>	White
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not available
<b>pH (ph1% solution)</b>	6.5 – 7.5
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Bulk Density</b>	Not available
<b>Solubilities</b>	Soluble in water.
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Size</b>	Not available

**Section 10. Stability and Reactivity**

<b>Stability of Substance</b>	This material is t stable when stored and used as directed.
<b>Hazardous Reactions</b>	No data available.
<b>Conditions to Avoid</b>	Prevent moisture contact. Direct sunlight.

<b>Incompatible Materials</b>	Strong acids and bases.
<b>Hazardous Decomposition Products</b>	On heating/burning: release of toxic and corrosive gases/vapours nitrous vapours.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Causes severe eye irritation.
<b>Skin</b>	Causes mild skin irritation.

### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Suspected of damaging fertility or the unborn child.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

### Individual component information:

#### Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Boric Acid	>2668mg/kg (mouse)	>2000mg/kg (Rabbit)	>2.12mg/L (rat)

## Section 12. Ecotoxicological Information

HSNO Classes: 9.1D = Harmful to aquatic life.

<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation</b>	No data available for product. For Boric Acid: Not bioaccumulative.
<b>Mobility in Soil</b>	No data available.
<b>Other adverse effects</b>	No data available.

Do not allow to enter waterways.

## Section 13. Disposal Considerations



### Disposal Method:

Empty containers should be taken for recycle, recovery or waste in accordance with local regulation. Triple rinse and dispose according to Local Regulations.

**Precautions or methods to avoid:** Do not discharge into drains or rivers. Remove to an authorized waste treatment plant.

## Section 14 Transport Information

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**

## Section 15 Regulatory Information

<b>HSWA &amp; EPA Controls</b>	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	10 000kg (9.1D)
Emergency Response Plan	10 000kg (9.1D)
Secondary Containment	10 000kg (9.1D)
Restriction of Use	None

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

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	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

**References:**

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

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

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