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:	Horticentre 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
Ingestion: AFTER INGESTION OF HIGH QUANTITIES: Gastrointestinal complaints. Nausea.
Inhalation: Not applicable.
Skin: Causes mild skin irritation.
Eyes: Causes severe eye irritation.
Chronic: Suspected of damaging fertility or the unborn child.

Treatment: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable, Non-combustible material.
Hazards from decomposition products	On heating/burning: release of toxic and corrosive gases/vapours nitrous vapours.
Suitable Extinguishing media	Making extinguishing agents environment-friendly. Do not use high volume water jet.
Precautions for firefighters and special protective clothing	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.
HAZCHEM CODE	**None allocated**

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	TWA mg/m^3	STEL ppm	STEL mg/m^3

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

Eyes	Tightly fitting safety goggles. EN166
Skin	Wear Nitrile rubber, latex gloves with Permeation of 6 (>480minutes). EN ISO 374. Wear protective clothing.
Respiratory	Dust Mask. Filtering Half-face mask. Type P2 EN143
General	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

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

Section 10. Stability and Reactivity

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

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

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes severe eye irritation.
Skin	Causes mild skin irritation.

Chronic Effects:

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

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

EPA Approval Code: Fertiliser (subsidiary) – HSR002571

HSNO Classification: 6.3B, 6.4A, 6.8B, 9.1D

HSWA & EPA Controls	Trigger Quantity
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

Section 16 Other Information

Glossary

EC_{50}	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC_{50}	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD_{50}	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

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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

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