

**SECTION 1: Identification**

<b>Product name:</b>	<b>GroBor®</b>
<b>Chemical Name:</b>	Seaweed liquid boron fertiliser
<b>Recommended Use:</b>	A foliar boron supplement for the correction of boron deficiencies in horticultural crops, viticulture, vegetables and fruit trees.
<b>Restriction of use:</b>	Refer to section 15
<b>Company:</b>	Grosafe Chemicals Ltd.
<b>Address:</b>	20 Jean Batten Drive, Mt Maunganui. (P.O. Box 14450 Tauranga, 3143)
<b>Email:</b>	info@grosafe.co.nz
<b>Telephone:</b>	0800 220 002
<b>Emergency Telephone Numbers:</b>	0800 CHEMCALL (0800 243622) The National Poisons Centre, 0800 POSITION (0800 764 766)
<b>Date of Issue:</b>	November 2022

**SECTION 2: Hazards Identification**

This substance is not classified as a hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020

**SECTION 3: Composition / information on ingredients**

<b>Ingredients</b>	<b>CAS Number</b>	<b>Content (% w/w)</b>
Trade secret ingredients that do not independently trigger hazard classifications	-	100

**SECTION 4: First Aid Measures**

**Routes of exposure:** None specified.

If medical advice is needed, have product container or label at hand. For advice call the National Poisons Centre or Doctor.

Observe good hygiene practices, such as hand washing and avoiding contact with eyes, when handling this product.

**SECTION 5: Fire Fighting Measures**

<b>Hazard type</b>	Non-hazardous
<b>Fire/explosion Hazard</b>	Not applicable
<b>Polymerisation</b>	Not applicable

<b>Hazards from combustion products</b>	Not applicable
<b>Suitable extinguishing media</b>	Not applicable
<b>Unsuitable extinguishing media</b>	Not applicable
<b>Precautions for firefighters and special protective clothing</b>	Not applicable
<b>Specific Methods</b>	Not applicable
<b>HAZCHEM CODE</b>	Not applicable

## SECTION 6: Accidental Release Measures

### Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent entry of chemical or used/damaged containers into sewers, drains, streams, or waterways. If necessary, inform the police and the Regional Council.

### Methods and material for containment and cleaning up:

Prevent liquid from entering sewers, waterways, or low areas by bunding or dyking. Absorb spills with an inert material (such as vermiculite, earth, sand or synthetic absorbent substance) and place into labelled containers for disposal. Wash area with water and alkaline detergent. Then absorb any remaining liquid with further inert material. Dispose of the waste safely in an approved facility. (See section 13 for disposal instructions).

## SECTION 7: Handling and Storage

### Precautions for Handling:

- Keep out of reach of children
- Store in original, tightly closed container away from foodstuffs.
- Store in a cool dry well ventilated area avoiding sunlight and extreme temperatures.

## SECTION 8: Exposure Control / Personal Protection

### Workplace exposure standards (provided for guidance only)

<b>Substance</b>	<b>TWA ppm mg/m3</b>	<b>STEL ppm mg/m3</b>
No biological limits applicable	-	-

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- Product Name: Phoenix Fungicide Issued by: Technical Compliance Consultants (NZ) Ltd Date of SDS: 28 May 2019 Tel: 64 9 475 5240 www.techcomp.co.nz Page 4 TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

### Engineering controls

Use only outdoors or in a well-ventilated area.

### Personal Protective Equipment

None specified. Observe good hygiene practices, such as hand washing and avoiding contact with eyes, when handling this product.

## SECTION 9: Physical and Chemical Properties

<b>Appearance</b>	Brown liquid
<b>Odour</b>	No data
<b>Odour Threshold</b>	No data
<b>pH</b>	8-10
<b>Melting point/freezing point</b>	No data
<b>Boiling point</b>	No data
<b>Flash point</b>	Not applicable
<b>Flammability</b>	Not applicable
<b>Upper and lower flammability or explosive limits</b>	Not applicable
<b>Vapour pressure</b>	No data
<b>Vapour density</b>	No data
<b>Specific gravity</b>	1.39
<b>Solubility</b>	Soluble in water
<b>Partition Coefficient: n-octanol/water</b>	No data
<b>Auto-ignition temperature</b>	No data
<b>Decomposition temperature</b>	No data
<b>Kinematic viscosity</b>	No data
<b>Particle characteristics</b>	Not applicable

## SECTION 10: Stability and Reactivity

<b>Stability of substance</b>	Stable under normal storage conditions.
<b>Conditions to avoid</b>	Not applicable
<b>Incompatible materials</b>	Not applicable
<b>Hazardous decomposition products</b>	Not applicable

## SECTION 11: Toxicological Information

<b>Acute toxicity - oral</b>	LD <sub>50</sub> >4500 mg/kg
<b>Acute toxicity - dermal</b>	Not applicable
<b>Acute toxicity - inhalation</b>	Not applicable
<b>Skin corrosion/irritation</b>	Not applicable
<b>Serious eye damage/eye irritation</b>	Not applicable
<b>Respiratory or skin sensitization</b>	Not applicable
<b>Germ cell mutagenicity</b>	Not applicable
<b>Carcinogenicity</b>	Not applicable
<b>Reproductive toxicity</b>	Not applicable
<b>Specific target organ toxicity – single exposure</b>	Not applicable
<b>Specific target organ toxicity – repeated exposure</b>	Not applicable

Aspiration hazard

Not applicable

## SECTION 12: Ecological Information

### Ecotoxicity

Fish	Not applicable
Crustaceans	Not applicable
Aquatic plants	Not applicable
Algae	Not applicable
Birds	Not applicable
Earthworm	Not applicable
Bees	Not applicable
Persistence and degradability	No data
Potential to bioaccumulate	No data
Mobility in soil	No data
Other adverse effects	Not applicable

## SECTION 13: Disposal Considerations

**Product:** Dispose of this product only by using according to the label, or at a suitable landfill.

**Container:** Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, puncture and dispose of at an approved landfill.

Avoid contamination of any water supply with product or empty container



**Disposal methods to avoid.** Do not burn empty container. Do not allow product or empty container to enter waterways.

## SECTION 14: Transport Information

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

**Road and Rail Transport:** Not classified as a dangerous good for transport

**Air Transport:** Not classified as a dangerous good for transport

**Marine Transport:** Not classified as a dangerous good for transport

## SECTION 15: Regulatory Information

This substance is not classified as hazardous according to the *Hazardous Substances (Hazard Classification) Notice 2020*

<b>HSW (HS) Regulations 2017</b>	<b>Trigger Quantity</b>
<b>Certified Handler</b>	Not applicable
<b>Location Certificate</b>	Not applicable

<b>Signage Trigger Quantity (Schedule 3)</b>	Not applicable
<b>Emergency Response Plan (Schedule 5)</b>	Not applicable
<b>Secondary Containment (Schedule 16)</b>	Not applicable
<b>Tracking (Schedule 26)</b>	Not required

#### Controls

<b>Record Keeping</b>	Not applicable
<b>Qualifications</b>	Not applicable
<b>HSNO Additional controls</b>	Not applicable
<b>Tolerable Exposure Level (TEL)</b>	None set
<b>Environmental Exposure Limit (EEL)</b>	None set

**ACVM Approval Number** Exempt from registration

## SECTION 16: Other Information

### Glossary

ACVM	Agricultural Compounds and Veterinary Medicines Act 1997
EC50	Median effective concentration
EEL	Environmental exposure limit
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms Act 1996
HSW	Health and Safety at Work Act 2015
HSW (HS) Regulations	Health and Safety at Work (Hazardous Substances) Regulations 2017
LC50	Lethal concentration that will kill 50% of the test organism
LD50	Lethal dose to kill 50% of the test organism
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
6. United States Environmental Protection Agency Memorandum USEPA PC Code: 122804

### Disclaimer

This document has been issued by Grosafe Chemicals Limited and serves as their Safety Data Sheet (SDS). It is based on information concerning the product which is held by Grosafe Chemicals Ltd or has been 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. While Grosafe Chemicals Ltd has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to the accuracy or completeness. As far as lawfully possible, Grosafe Chemicals Ltd accept not liability for any loss, injury, or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of the reliance on the information contained in this SDS. The information herein is given in good faith, but no warrant, express or implied, is made.

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