



**SAFETY DATA SHEET**

**BIOPOWER<sup>®</sup> N BOOST**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY**

**1.1 Identifiers**

Product name: Biopower<sup>®</sup> N Boost  
 Other Name(s):

**1.2 Recommended use of the chemical and restrictions on use**

Product Use: Plant nutrition

**1.3 Supplier contact details:**

Company name: Grosafe Chemicals Limited  
 Address: 20 Jean Batten Drive Mt Maunganui, 3116  
 Telephone: 0800 220 002  
 Email: [info@grosafe.co.nz](mailto:info@grosafe.co.nz)

**Emergency telephone number (24 hours)** 0800 CHEMCALL (0800 243 622)

**SECTION 2: HAZARD IDENTIFICATION**

**2.1 Classification of the Hazardous Chemical**

Not classified as a hazardous substance according to the Hazardous Substances and New Organisms Act 1996.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Composition:** mixture

Ingredients	CAS	Proportion
Non-hazardous ingredients	-	100%

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

For advice call the NATIONAL POISONS CENTRE, telephone 0800 POISON [0800 764 766].  
 Have product label or container at hand.

**IF SWALLOWED:** Call the NATIONAL POISONS CENTRE or doctor for advice if you feel unwell

**IF ON SKIN:** Remove contaminated clothing and wash affected area with soap and water. If irritation occurs then get medical advice.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs get medical advice.

**IF INHALED:** Remove person to fresh air and keep at rest in a position comfortable for breathing. Call the NATIONAL POISONS CENTRE or doctor for advice if person feels unwell.



**Symptoms caused by exposure**

Unlikely to cause harmful effects under normal conditions of handling and use.

**Medical attention and special treatment**

Treat symptomatically.

## SECTION 5: FIRE FIGHTING MEASURES

**5.1 Suitable extinguishing media**

Carbon dioxide, dry chemical, foam, water fog or fine water spray appropriate to surrounding media.

**5.2 Specific hazards**

None known. Product is non-flammable. There is no risk of an explosion from this product under normal circumstances if involved in a fire.

**5.3 Special protective equipment and precautions for fire fighters**

Isolate fire area. Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk to of exposure to vapour or smoke. Keep containers cool by spraying with water. Do not breathe or contact smoke, gases or vapours generated. Contain all runoff.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures**

In the event of an accidental spill wear protective clothing.

**6.2 Environmental precautions**

Prevent spillage from entering drains or waterways. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

**6.3 Methods and materials for containment and cleaning up**

Contain spilled material. For small liquid spills, use absorbent material such as sand, soil, vermiculite and recover into labelled drums that can be sealed for safe disposal. For large liquid spills, recover liquid into labelled containers then absorb remaining liquid and transfer to drums for disposal. Clean area with water and detergent. Dispose of contaminated materials to approved landfill in accordance with local regulations.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling**

Read the label before use. Do not eat, drink or smoke when using. Wear eye protection and gloves when handling.

**7.2 Conditions for safe storage**

Store in the closed original packaging out of reach of children and in a dry, cool, well-ventilated area.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**8.1 Occupational exposure limit values**

No limits established

**8.2 Biological limit values**

No limits allocated.

**8.3 Engineering controls**

Use outdoors or in a well-ventilated area.

**8.4 Personal protective equipment (PPE)**



The following Standards provide general advice regarding safety clothing and equipment:  
 Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

**Eye/Face Protection:** Wear protective glasses, goggles or face shield when mixing or applying product.

**Skin Protection:** Wear impervious gloves, coat, trousers, waterproof hat. Ensure all skin areas are covered.

**Respirator:** Where product is being sprayed and a mist could be produced, a respirator should be worn. It should be fitted with a cartridge suitable for agricultural chemicals.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown to greenish black coloured liquid
Odour	Fishy/seaside odour
Odour threshold	Not available
pH	6.0 – 9.0 (undiluted)
Melting/Freezing Point	No data
Boiling Point /Range	No data
Flash point	No data
Flammability (solid, gas)	Non-flammable
Upper/lower flammability or explosive limits	No data
Vapour Pressure	No data
Vapour density	No data
Relative density	No data
Solubility	Soluble in water
Partition Co-efficient n-octanol/water	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
Viscosity	No data
Particle characteristics	No data

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Chemical stability

Stable under normal conditions of storage and handling.

### 10.3 Conditions to Avoid

Do not store for prolonged periods in direct sunlight.

### 10.4 Incompatible materials and possible hazardous reactions

Not applicable

### 10.5 Hazardous decomposition products

Not applicable

### 10.6 Polymerisation:

No data

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Health hazard information

This product is not classified for health hazards according to an assessment of information on the product.



**11.2 Toxicological information:**

<b>Acute toxicity:</b>	Not classified.
<b>Aspiration hazard:</b>	Not classified.
<b>Respiratory irritation:</b>	Not classified.
<b>Skin corrosion/irritation</b>	Not classified.
<b>Serious eye damage/irritation</b>	Not classified.
<b>Respiratory or skin sensitisation</b>	Not classified
<b>Germ cell mutagenicity:</b>	No ingredients in product identified as presumed or suspected mutagens.
<b>Carcinogenicity:</b>	No ingredients in product identified as presumed or suspected carcinogens.
<b>Reproductive toxicity:</b>	No ingredients in product identified suspected of damaging fertility or the unborn child.
<b>Specific target organ toxicity – single/repeated exposure:</b>	No ingredients in product identified as specific target organ toxicants.
<b>Narcotic effects:</b>	Noo ingredients in product identified as causing narcotic effects.

**11.3 Toxicological data:**

No data available on product.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity**

No data available for product.

**12.2 Persistence and degradability**

No data available for product.

**12.3 Potential to be bioaccumulative**

No data available for product.

**12.4 Mobility in soil**

No data available for product.

**12.5 Other adverse effects**

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Product Disposal**

Dispose of by using according to label directions.

**13.2 Container Disposal**

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.

**SECTION 14: TRANSPORT INFORMAITON**

**14.1 Road and Rail Transport:**

Not scheduled as Dangerous Goods for Transport Purposes.

**14.2 Marine Transport (IMO/IMDG):**



Not scheduled as Dangerous Goods by criteria of the International Maritime Dangerous Goods Code for the transport by sea.

**14.3 Air Transport (ICAO/IATA):**

Not scheduled as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**SECTION 15: REGULATORY INFORMATION**

Not classified as a Hazardous substance according to Hazardous Substances (Hazard Classification) Notice 2020.

<b>Approval number:</b>	Not applicable.
<b>Hazardous classifications:</b>	Not applicable.
<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 applicable.
<b>Tolerable Exposure Level (TEL)</b>	None set
<b>Environmental Exposure Level (EEL)</b>	None set
<b>International Agreements</b>	Not applicable
<b>Additional information:</b>	Refer to HS Notices ( <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> ) and HSW HS Regulations ( <a href="http://www.worksafe.govt.nz">www.worksafe.govt.nz</a> )
<b>ACVM Registration:</b>	Exempt from registration pursuant to the Agricultural Compounds and Veterinary Medicines Act 1997

**SECTION 16: OTHER INFORMATION**

**16.1 Date of preparation or last revision of SDS**

<b>SDS issued</b>	13 July 2024
<b>SDS supersedes</b>	N/A
<b>Reason issued</b>	Initial SDS

**16.2 ABBREVIATIONS**

<b>ADI</b>	Acceptable Daily Intakes
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>CCID</b>	Chemical Classification Identification Database
<b>EPA</b>	Environmental Protection Authority
<b>ErC<sub>50</sub></b>	Half maximal Effective Concentration
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>HSNO</b>	Hazardous Substances and New Organisms
<b>HS</b>	Health and Safety



<b>HSR</b>	Hazardous Substances Register
<b>IARC</b>	International Agency for Research on Cancer
<b>LC<sub>50</sub></b>	Median Lethal Concentration
<b>LD<sub>50</sub></b>	Median Lethal Dose
<b>SDS</b>	Safety Data Sheets
<b>NOAEL</b>	No Observable Adverse Effect Level
<b>NOEL</b>	No Observable Effect Level
<b>NOS</b>	Not otherwise specified
<b>STEL</b>	Short Term Exposure Limit
<b>SWA</b>	Safety Work Australia
<b>TWA</b>	Time-Weighted Average
<b>UN Number</b>	United Nations Number

### 16.3 REFERENCES

Manufacturer information

EPA CCID and Approved Substance databases

University of Hertfordshire Pesticides Properties Database

### 16.4 OTHER

Biopower<sup>®</sup> is a registered trademark of Grosafe Chemicals Ltd

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End of Safety Data Sheet