



Grosafe Chemicals Limited

SAFETY DATA SHEET

BIOPOWER[®] LIQUID

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Identifiers

Product name: Biopower[®] Liquid
 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

Emergency telephone number 0800 CHEMCALL (0800 243 622)

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the Hazardous Chemical

Not classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | CAS | Proportion |
|--------------|-----------|------------|
| Alginic acid | 9005-32-7 | 1.5% |
| | | |

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Information: For advice call the National Poison Centre, telephone 0800 POISON [0800 764 766] for advice. Have label or Safety Data Sheet at hand.

Ingestion: If swallowed, do NOT induce vomiting. Rinse mouth thoroughly. If symptoms develop, or large quantities are ingested, seek medical attention immediately.

Skin Contact: Remove contaminated clothing and wash affected area with soap and water. If irritation occurs then get medical advice.

Eye Contact: Rinse with large quantities of water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists then get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Use appropriate fire extinguisher for the surrounding environment.

5.2 Special exposure hazards

NA

5.3 Special protective equipment and precautions for fire fighters

NA

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 Flammability

Non-combustible material.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Read the label before use. Do not eat, drink or smoke when using.

7.2 Conditions for safe storage

Store locked up in the closed original packaging out of reach of children and in a dry, cool, well-ventilated area. Keep away from food, drink and animals feeding stuffs.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Eye Protection

Avoid eye contact with safety glasses or chemical goggles.

8.2 Skin Protection

Wear gloves of impervious material.

8.3 Ingestion

Do not ingest. Wash hands thoroughly with soap and water after handling.

8.4 Respiratory

N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------|------------------------------------|
| Appearance | Liquid, deep green/black in colour |
| Odour | Seaside odour |
| pH | 6.0 – 9.0 |
| Relative density | 1.15 – 1.25 g/cm ³ |
| Solubility | Completely soluble in water |

SECTION 10: STABILITY AND REACTIVITY

10.1 Chemical stability

NA

10.3 Conditions to Avoid

NA

10.4 Incompatible materials and possible hazardous reactions

NA

10.5 Hazardous decomposition products

NA

10.6 Polymerisation:

NA

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Health hazard information

This product is non-toxic.

11.2 Toxicological information:

| | |
|------------|--|
| Swallowed: | Non-toxic. Swallowing large quantities may cause irritation, leading to pains in the stomach, nausea, vomiting and possible diarrhoea. |
| Eye: | Non-toxic, potential mild irritant. |
| Skin: | Non-toxic, potential mild irritant. |
| Inhaled: | Non-toxic, potential mild irritant. |

11.3 Toxicological data:

NA

SECTION 12: ECOLOGICAL INFORMATION

There is no ecological information available for this product; however, it should not be discharged into drains, sewers or waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Product Disposal

Use the product for its intended purpose according to label. Dispose of residues according to regional or local body bylaws.

13.2 Container Disposal

Do not use packaging for storage of other products. Dispose of containers according to regional or local body bylaws.

SECTION 14: TRANSPORT INFORMATION

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

SECTION 16: OTHER INFORMATION

16.1 Date of preparation or last revision of SDS

SDS issued 08 May 2019

16.2 ABBREVIATIONS

| | |
|-------------------------|---|
| ADI | Acceptable Daily Intakes |
| CAS number | Chemical Abstracts Service Registry Number |
| CCID | Chemical Classification Identification Database |
| EPA | Environmental Protection Authority |
| ErC₅₀ | Half maximal Effective Concentration |
| GHS | Globally Harmonized System of Classification and Labelling of Chemicals |
| Hazchem Code | Emergency action code of numbers and letters that provide information to emergency services especially firefighters |
| HSNO | Hazardous Substances and New Organisms |
| HS | Health and Safety |
| HSR | Hazardous Substances Register |
| IARC | International Agency for Research on Cancer |
| LC₅₀ | Median Lethal Concentration |
| LD₅₀ | Median Lethal Dose |
| SDS | Safety Data Sheets |
| NOAEL | No Observable Adverse Effect Level |
| NOEL | No Observable Effect Level |
| NOS | Not otherwise specified |
| STEL | Short Term Exposure Limit |
| SWA | Safety Work Australia |
| TWA | Time-Weighted Average |
| UN Number | United Nations Number |

16.3 REFERENCES

Manufacturer information
EPA CCID and Approved Substance databases
University of Hertfordshire Pesticides Properties Database

16.4 OTHER

Biopower[®] is a registered trademark of Grosafe Chemicals Ltd

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End of Safety Data Sheet