

OrganiBOR

Section 1: Identification of the Substance or Mixture and of the Supplier

Product name	OrganiBOR
Recommended use	Slow release fertiliser.
Company details	Grochem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
Telephone	+64 4 237 0905
Email	grochem@grochem.co.nz
Emergency telephone	New Zealand 0800 CHEMCALL – 24 hours (0800 243 6225) Australia 1800 127 406 Other locations +64 4 917 9888 or The National Poisons Centre 0800 POISON (0800 764 766)
Date of preparation	17 June 2016

Section 2: Hazards Identification

Hazard classification:

Dangerous Goods (Transport)	Not a Dangerous Good for transport
Hazardous Substances (HSNO)	6.3B (WARNING: Causes mild skin irritation) 6.4A (WARNING: Causes serious eye irritation)



Section 3: Composition/Information on Ingredients

Classification & type: Pure substance

Material	CAS No.	Proportion (%w)
Boric Oxide (B ₂ O ₃)	1303-86-2	32.0
Calcium Oxide (CaO)	1305-78-8	14.6
Magnesium Oxide	1309-48-4	6.0
Sodium Oxide	1313-59-3	0.4
Non-Hazardous components	-	to 100%

Section 4: First Aid Measures

Symptoms of exposure	No adverse health effects expected if the product is handled in accordance with this SDS and the product label. Symptoms that may arise if the product is mishandled are:
If Swallowed:	May cause gastrointestinal disturbances, nausea, vomiting, diarrhoea
If in Eye:	Causes serious eye irritation
If on Skin:	Causes mild skin irritation
If Inhaled:	Dust may irritate upper respiratory tract (nose, throat)
First aid actions:	
If Swallowed:	Rinse mouth. Do NOT induce vomiting
If in Eye:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
If on Skin:	If skin irritation occurs: Get medical advice/attention
If Inhaled:	Call a POISON CENTRE or doctor/physician if you feel unwell
Workplace facilities:	Eyewash and safety shower
Notes for medical personnel	Treat symptomatically

Section 5: Fire Fighting Measures

Type of hazard	Non flammable
Combustion products:	Not known
Extinguishing media & methods:	Any fire extinguishing media may be used. Note that boron is a fire retardant
Recommended protective clothing:	Do not breathe dust or smoke. Wear self contained breathing apparatus

Section 6: Accidental Release Measures

Personal protection	See Section 8.3 for appropriate PPE
Containment and clean up:	Contain spillage. Recover into labelled containers for re-use or disposal
Special requirements:	See Section 13 for instructions for the disposal of waste/contaminated material.

Section 7: Handling and Storage

Subsection 1	Handling
Handling practices	Wear appropriate PPE as detailed in Section 8.3. Read product label before use. Minimise dust accumulation where possible. Avoid breathing dust. Wash thoroughly after handling.
Subsection 2	Storage
Site requirements	Store in a cool dry place.

Section 8: Exposure Controls/Personal Protection

Subsection 1:	Workplace Exposure Guidelines (may also be considered in section 2)
Workplace exposure standards	The following Workplace Exposure Standards (WES) have been set for the components in this substance: Boric Oxide 10mg/m ³ Calcium Oxide 2mg/m ³ Magnesium Oxide (fume) 10mg/m ³
Exposure Standards outside the workplace	No exposure standards have been set.
Subsection 2:	Engineering Controls
Exposure control measures	Use in well ventilated area. Ensure air concentrations do not exceed WES.
Subsection 3:	Personal Protective Equipment (PPE)
Detail specifications for equipment	Wear suitable eye protection, gloves and overalls. Wear dust mask if air concentrations are likely to exceed WES.
General hygiene	Wash thoroughly after use.

Section 9: Physical and Chemical Properties

Appearance	Grey/white granular powder	pH	N/A
Odour	None	Boiling point (degC)	N/A
Specific gravity (kg/L)	2.17	Melting point (degC)	900°C
Solubility	Low solubility	Flashpoint (degC)	N/A

Section 10: Stability and Reactivity

Stability of substance	Stable under normal conditions and use.
Conditions to avoid:	None known.
Material to avoid:	Reducing agents – potentially generates hydrogen gas (explosive hazard).
Hazardous decomposition products:	No information available.
Hazardous polymerization:	Not known to occur.

Section 11: Toxicological Information

Data and Interpretation	No specific product information available. See Section 2 for general hazard information.
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Section 12: Ecological Information

Potential environmental interactions	Not classified although contains calcium oxide which is slightly harmful in aquatic environment.
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Section 13: Disposal Considerations

Product disposal	Dispose of only by using in accordance with the label instructions or at an approved landfill.
Container disposal:	Render packaging incapable of holding product and dispose of at an approved landfill.

Section 14: Transport Information

Not a Dangerous Good for transport

UN number:	N/A
DG Class and Subsidiary Group:	N/A
Proper shipping name:	N/A
Packing group:	N/A
HAZCHEM code:	N/A
Special precautions:	Do not carry more than 10 kg on a Passenger Service Vehicle.

Section 15: Regulatory Information

Regulatory status This substance is approved Pursuant to the HSNO Act 1996, under the Fertilisers (Subsidiary Hazard) Group Standard 2006. HSR002571.

HSNO controls:

Approved Handler Test Certificate:	N/A
Tracking:	N/A
SDS must be available for:	50kg
Signage:	N/A
Emergency plan:	N/A
Bunding:	N/A

Section 16: Other Information

Revision due: 17 June 2021

Additional information: Directions for use are found on the product label.

Glossary:

ACVM	Agricultural Compounds and Veterinary Medicines (in relation to Group or Act 1997)
CAS	Chemical Abstract Services Number, used to uniquely identify chemical compounds
HSNO	Hazardous Substances and New Organisms (legislation 1996)
PPE	Personal Protective Equipment
WES	Workplace Exposure Standard

This SDS summarises our best knowledge of the health and safety hazard information available for this product and how to safely handle and use it. Since the use of this information and the conditions of the use of this product are not under the control of Grochem, it is the user's responsibility to determine conditions of safe use of the product.