
SAFETY DATA SHEET

Trade name: **Greenbor**

Date of Issue: 29/11/2016
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1. Product and Company identification.

Product name: **Greenbor**

Product use: Plant fertilizer

Company Details: Chengeta Crop Care
2/31 Station Road
Penrose, Auckland
New Zealand
Phone: (09) 257 4030
www.chengeta.co.nz

Emergency Telephone Number:

National Poisons and Hazardous Chemicals Information Centre
Dunedin Phone: 0800 POISON (0800 764-766)
24 hr Emergency Response: 0800 CHEMCALL (0800 243 622)

2. Hazards identification

Not classified as Dangerous Goods for transport

This product is approved under the Hazardous Substances and New Organisms Act (HSR002571, Fertilisers (Subsidiary Hazard) Group Standard 2006).

Hazard classification:

6.3B: Skin irritant - mildly irritating to the skin.
6.4A: Eye irritant - Warning, causes eye irritation

Precautions:

Avoid contact with the eyes
Avoid contact with the skin
Avoid inhalation - not applicable, does not give off a vapour.
Avoid contamination of any water supply with product or empty container.

3. Composition/information on ingredients

Ingredient	CAS Number	Concentration % w/w
Boric oxide:	1303-86-2	32.0%
Calcium oxide	1305-78-8	14.6%
Magnesium oxide:	1309-48-4	6.0%
Sodium oxide:	1313-59-3	0.4%
Other ingredients including water	various	26.1%

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4. First aid measures

Eye contact: Immediately rinse eyes with running water for at least 15 minutes.
Seek medical attention if irritation persists.

Skin contact: Remove contaminated clothing. Wash affected area thoroughly with soap and water.
Seek medical attention if irritation persists.

Inhalation: Remove from exposure. If breathing is difficult, give oxygen. If not breathing administer artificial respiration.
Seek medical attention immediately.

Ingestion: If conscious, give 3-4 glasses of water to dilute stomach contents.
DO NOT INDUCE VOMITING.
Seek medical attention.

5. Fire fighting measures

Hazards: Not combustible / Non flammable

Extinguishing media: All.

HazChem Code: N/A

Special Fire Fighting Procedures: Do not breathe dust or smoke. Wear self-contained breathing equipment.

Unusual Fire and explosion hazards: N/A.

6. Accidental release measures

Spills: Contain spillage. Wear personal protective equipment to prevent inhalation of dust at levels that may exceed permissible exposure limits. Prevent from entering drains and waterways. May be washed with plenty of water on soils.

Disposal: Dispose of waste in accordance with local authority bylaws.

Cleaning of Equipment: Clean with water.

7. Handling and storage

Handling: No special precautions are necessary, however protection is advisable if area is excessively dusty. Minimize dust accumulation. Avoid breathing dust. Avoid eye contact. Wear chemical type goggles or safety glasses.

Storage: Store in cool dry place. Avoid getting wet.

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8. Exposure controls/personal protection

Personal protective equipment:

No special precautions are necessary. May stain, keep off skin and clothes.

Eye protection: No specific protection during normal use. Safety glasses/ goggles

Hand protection: No specific protection during normal use. PVC gloves

Skin and body protection: No specific protection during normal use.

Respiratory protection: No specific protection for normal use conditions. Avoid breathing dust. Use local exhaust ventilation if necessary to keep below exposure limit.

Health Exposure Standards:

Workplace Exposure Standards (WES) have been set for components in this instance:

	WES-TWA
Boric oxide	10 mg/m ³
Calcium oxide	2 mg/m ³
Magnesium oxide (fume)	10 mg/m ³

Biological limit values: None established

9. Physical and chemical properties

Appearance:	Solid granular powder
Colour:	White / Greyish
Odour:	Nil
Boiling point (°C):	Not applicable
Flash point (°C):	Not applicable
Melting Point (°C):	900 °C
Max. % volatile:	N/A
Density at 20°C, g/ml:	2.17
Vapour Pressure mm Hg @ 20°C	Not applicable
Vapour Density kPa @ 20°C	Not applicable
Autoignition Temperature (°C)	Not applicable
Explosive Limits in Air %	Not applicable
Viscosity cSt	Not applicable
Volatiles	Not applicable
Solubility in Water	Low solubility
Particle size	< 1mm (9%), 2 – 4 mm (90%), > 4mm (1%)
Hardness (mohs)	2
Solubility in water:	Low Solubility
pH:	

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10. Stability and reactivity

Stability: Stable under normal conditions and use. Will lose moisture as temperature increases, i.e. at > 100 °C.

Materials and conditions to avoid:

Contact with strong reducing agents. Reacts with strong reducing agents, e.g. metal hydrides or alkali metals, to generate hydrogen gas which may create explosive hazard.

Hazardous decomposition products:

N/A

11. Toxicological information

Health Effects:

Swallowed: May cause nausea and vomiting and have a laxative affect if taken in sufficient quantities

Eye: May cause slight irritation. Abrasive effects of dust may cause redness and blurred vision.

Skin: Generally non- irritant, May cause skin redness or peeling with prolonged or repeated contact.

Inhaled: Does not give off vapour.

Acute oral toxicity: Data unavailable although no toxic effects are to be expected when handled appropriately.

Acute dermal toxicity: Data unavailable.

12. Ecological Information

Persistence/degradability:

This product is biodegradable. It will not accumulate in soil or water or cause long term problems.

Aquatic toxicity: Practically non-toxic to aquatic life.

13. Disposal considerations

Dispose of waste in accordance with local authority bylaws. May be washed with plenty of water onto soils.

Disposal of empty container: Triple rinse then send to drum recycling facility. Alternatively crush and bury the container in a suitable landfill. Do not use the container for any other purpose.

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14. Transport regulations.**U.N. Number:** Not classified as hazardous for transport.**Proper shipping name:** N/A**Dangerous goods class:** N/A**Packing Group:** N/A

15. Regulatory information**HSNO Approval No:** HSR002571**Group Standard 2006:** Fertilisers (Subsidiary Hazard) Group Standard 2006

16. Other information

Abbreviations:

CAS Number: Chemical Abstracts Service Number**HSNO:** Hazardous substances and New Organisms Act 1996 (HSNO Act)**LC₅₀:** Lethal concentration (50% population)**LD₅₀:** Lethal Dose (50% Population)

This SDS supersedes all previous issues. It summarises our best knowledge of the health and safety hazard information of the product. All users should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products. Since the actual use of this product is beyond the control of Chengeta Crop Care, we make no warranty, expressed or implied, concerning the use of this product. It is the responsibility of users to ascertain that the product is suitable for intended applications.
