

# SAFETY DATA SHEET

## 1. IDENTIFICATION

**Product Name:** PestBor  
**Other names:** Mycrobor, Borer Stopper, EcoBor

**Use:** Powder for dilution with water before application to timber that is used above-ground and not exposed outdoors or the weather.

**Supplier:** Homesafe Products Limited  
**Address:** 87 Manukau Road, Pukekohe 2120  
**Telephone:** 027 2299 1014

**Emergency Phone:** 027 2299 1014  
**National Poisons Centre:** 0800 POISON (0800 764 766)

## 2. HAZARD IDENTIFICATION

**Hazard Classifications:** Eye irritation Category 2, Reproductive toxicity Category 2, Hazardous to the aquatic environment chronic Category 4.

**Pictograms:**



**Signal word:** WARNING

**Hazard Statements:**

Causes serious eye irritation.  
 Suspected of damaging fertility or the unborn child.  
 May cause long-lasting effects to aquatic environment.

**Prevention Statements:**

Read label before use.  
 Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Wash hands and exposed skin thoroughly after handling.  
 Avoid release to the environment.  
 Wear protective gloves and eye protection.  
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**Response Statements:**

If exposed or concerned: Get medical advice.  
 IF IN EYES: Rinse cautiously with water for several minutes.  
 If eye irritation persists, get medical attention.

**Storage Statements:**

Store locked up.

**Disposal Statements:**

Dispose of product and containers in accordance with local regulations.

**Label statements:**

Read label before use.  
 Keep out of reach of children.  
 If medical advice is needed. Have product container or label at hand.

## 3. COMPOSITION: INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration (%w/v)
Sodium borate	12280-41-2*	>98

\*alternative CAS No 12280-03-4

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### 4. FIRST AID MEASURES

If you feel unwell, or are exposed or concerned, get medical advice. Consult the National Poisons Information Centre 0800 POISON (0800 764 766) or a doctor. Have product label or Safety Data Sheet at hand.

**INGESTION:** Do not induce vomiting. Rinse mouth. Call a POISON CENTRE or doctor for advice if person feels unwell. Do not induce vomiting unless instructed to do so.

**SKIN CONTACT:** Wash affected area with soap and water. If irritation occurs, obtain medical advice. Launder contaminated clothing before reuse.

**EYE CONTACT:** Flush with running water for at least 15 minutes. Remove contact lenses if present, and easy to do after 5 minutes before continuing rinsing. If irritation persists, obtain medical assistance.

**INHALATION:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If person is experiencing respiratory problems, get immediate medical advice.

**First Aid facilities:** Provide eye baths and safety showers close to areas where exposure may occur.

**Advice to Doctor:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Flashpoint:** Non-flammable.

Flammable limits: LFL: Not applicable UFL: Not applicable

**Suitable extinguishing media:** Water, foam or dry chemical. Contain runoff.

**HSNO Fire extinguisher requirement:** Not applicable.

**Hazards from combustion products:** Thermal decomposition may produce toxic/harmful compounds. Do not breathe smoke.

**Precautions for fire fighters and special protective equipment:** Self-contained breathing apparatus with full face-piece and protective clothing including gloves and boots. Cool fire exposed containers with water spray.

**Hazchem Code:** Not required.

### 6. ACCIDENTAL RELEASE MEASURES

#### Emergency Procedures:

Wear appropriate personal protection equipment to prevent skin and eye exposure. Contain spillage. Prevent from entering watercourses/drains.

#### Methods and materials for containment

Collect up spill into labelled container for recovery or disposal. Avoid dust generation. For liquid spills, contain and absorb with soil, sand, vermiculate or similar, and dispose of safely in labelled sealed containers. Wash down affected area with detergent and water. Minimize amount of liquid used to avoid further contamination. In event of spillage contaminating a watercourse, notify the Police, local Health Protection Officer and Council.

### 7. HANDLING AND STORAGE

**Precautions for safe handling:** Read label before use. Do not handle until all safety precautions have been read and understood. Keep out of reach of children. Do not breathe dust, mist or spray. Avoid contact with skin or eyes. Use outdoors or in well ventilated area. Observe good personal hygiene practices and recommended procedures including wearing of personal protection equipment. Wash hands and exposed skin thoroughly with soap and water after handling. Do not eat, drink or smoke when using.

**REI:** Not set but recommended to avoid contact with wet/damp timber surfaces.

**Conditions for safe storage:** Keep out of reach of children. Store locked up, in tightly closed container to keep dry, in a cool well-ventilated area, and away from food, animal feedstuffs, fertilizers, seeds and incompatible materials.

**Other:** Changing out of work clothing and showering recommended at the end of each work shift. Wash work clothes separately from other household clothing.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Health Exposure Standards:** A Workplace Exposure Standard (WES), has not been set by Worksafe (12<sup>th</sup> edition, November 2020) for the active ingredient but the following apply to other borate compounds.

WES-TWA

Borates, tetra, sodium salts

-anhydrous 1 mg/m<sup>3</sup>

-decahydrate 5 mg/m<sup>3</sup>

-pentahydrate 1 mg/m<sup>3</sup>

**Biological limit values:** Not set.

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### Engineering Controls:

**Ventilation:** Use in well-ventilated area.

### Personal Protective Equipment:

**Respiratory Protection:** Respiratory protection may be necessary under certain use conditions, e.g. confined space. Under such conditions, an approved respirator with a suitable filter (organic vapour and particulate matter) according to national standards, should be worn.

**Eye Protection:** Safety glasses or goggles.

**Skin/ Body Protection:** Rubber, neoprene or PVC gloves. Overalls recommended to prevent contamination of clothes.

**Other information:** After use, wash protective equipment and dry before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White powder
Odour	Odourless
Odour threshold	Not determined
pH	7.6 (10% aqueous)
Melting/Freezing point °C	Not determined
Boiling Point/Range °C	Not applicable
Flash Point °C	Not applicable
Flammability (solid, gas)	Non flammable
Upper/lower flammability limits	Not determined
Vapour Pressure kPa @ 20°C	Not determined
Vapour Density kPa @ 20°C	Not determined
Relative density	Not determined
Solubilities	Soluble in water
Partition coefficient: n-octanol/water	Not determined
Autoignition Temperature °C	Not determined
Decomposition Temperature °C	Not determined
Kinematic viscosity	Not applicable
Particle characteristics	Not available

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions.

**Conditions to avoid:** Exposure to moisture, strong acids and finely divided zirconium.

**Incompatible materials:** No information.

**Hazardous decomposition products:** Thermal decomposition may produce toxic/ harmful compounds.

**Hazardous reactions:** None specified.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** May be harmful if swallowed and result in irritation of gastrointestinal tract. Borate poisoning results in nausea, vomiting, headache, stomach pains, diarrhea, weakness, lethargy, restlessness, tremors and convulsions. Lethal dose is over 30 g.

**Aspiration hazard:** Not classified as an aspiration hazard.

**Respiratory irritation:** Dust may irritate the upper respiratory tract.

**Skin corrosion/irritation:** Mild skin irritant. Prolonged contact may result in moderate discomfort and lead to skin reactions resulting in dermatitis.

**Serious eye damage/irritation:** Powder is an eye irritant. May cause pain and severe conjunctivitis.

**Respiratory or skin sensitization:** Not identified as either a respiratory or contact sensitizer.

**Germ cell mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

**Reproductive toxicity:** Borate compounds are identified as suspected reproductive and developmental toxicants, Prolonged ingestion of borate compounds may affect both males and females. Borate compounds can accumulate in the testes and deplete germ cells.

**Specific organ toxicity:** Borate compounds are not classified as confirmed nor suspected target organ or system toxicants. However, should borate poisoning occur, the central nervous system is stimulated leading to depression, effects on digestive system, may cause skin eruptions, and damage liver and kidneys.

**Narcotic effects:** Not classified.

### Toxicological Information:

Sodium borate Rat, oral, LD<sub>50</sub> 2500 mg/kg bw

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### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** This mixture is classified as harmful to the aquatic environment with long lasting effects. Do not contaminate waterways, sewers, or drains when disposing of product or packaging.

**Persistence and degradability:** Boron is a naturally occurring element in environment.

**Potential to be bioaccumulative:** No specific information available.

**Mobility in soil:** Product is soluble in water.

**Other adverse effects:** High levels of boron in soil may cause phytotoxicity.

**Ecotoxicological Information:** Not available.

**Environmental Exposure Limits (EEL's):** Not set.

### 13. DISPOSAL CONSIDERATIONS

**Disposal Methods:** Crush and dispose of empty containers/packaging . Containers may contain residue. Do NOT use for storage of other products. Waste resulting from use may be disposed of to an approved waste disposal facility. Dispose in accordance with all local and national regulations.

### 14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	Not regulated	UN No.	Not regulated	UN No.	Not regulated
Proper Shipping Name		Proper Shipping Name		Proper Shipping Name	
DG Class		DG Class		DG Class	
Sub. Risk		Sub. Risk		Sub. Risk	
Pack Group		Pack Group		Pack Group	
Hazchem		Hazchem			
Marine pollutant		Marine pollutant			

#### Dangerous Goods Segregation

This product is classified as a non Dangerous Good for Transport. Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2020 Transport of Dangerous Goods on Land for information.

### 15. REGULATORY INFORMATION

#### HSNO Act 1996

**Approval Code:** HSR000911

**Substance:** Water soluble powder containing 980 – 998 g/kg sodium borate.

**Classifications:** Eye irritation Category 2, Reproductive toxicity Category 2, Hazardous to the aquatic environment chronic Category 4.

**HSNO Controls:** Refer to [www.epa.govt.nz](http://www.epa.govt.nz) and [www.worksafe.govt.nz](http://www.worksafe.govt.nz) for information on Default Controls and HS Notices. Additional HSNO Controls have been assigned specific to this substance.

**Additional Control:** No person may use this substance for any purpose other than for the treatment of timber.

#### ACVM Act 1997

**Registration Number:** Not applicable (exempted use).

Refer to [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz)

### 16. OTHER INFORMATION

**Date of Issue:** 8<sup>th</sup> October 2021

**Reasons for Issue:** 5-year review and amend SDS format and changed HSNO classification to GHS descriptions..

**Replaces:** SDS dated 27 September 2016.

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### Abbreviations:

EPA	New Zealand Environmental Protection Authority
GHS	Global Harmonised System
HSIS	Hazardous Substance Information System
HSNO	Hazardous Substances and New Organisms
NZIoC	New Zealand Inventory of Chemicals
REI	Restricted Entry Interval
STEL	Short Term Exposure Limit (15 minute exposure period)
TWA	Time-Weighted Average (8 hours exposure period)
WES	Workplace Exposure Standard

### References:

EPA [www.epa.govt.nz](http://www.epa.govt.nz)  
New Zealand Food Safety Authority [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz)  
Supplier Safety Data Sheet

### Other:

The information contained herein is given in good faith but no warranty, expressed or implied is made.

End of safety data sheet

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The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the supplier's knowledge. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Homesafe Products Limited.