

SAFETY DATA SHEET



Date of Issue: 27th September, 2016
Issue Number: 3

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: PestBor

MANUFACTURERS CODE: Mycrobor, Borer Stopper, EcoBor

USE: Powder for dilution with water and then application to timber where to be used in above-ground situation and not exposed outdoors or to the weather.

COMPANY IDENTIFICATION : TheChemSafe Group
P O Box 231, Tuakau 2121
12 Cape Hill Road, Pukekohe 2120
tel (9) 238 5959 fax (9) 238 5676

Emergency Telephone Numbers: **TheChemSafe Group** 09 238 5959
NATIONAL POISONS CENTRE 0800 764 766
POLICE, FIRE, AMBULANCE 111

2. HAZARDOUS IDENTIFICATIONS:

EMERGENCY OVERVIEW

HSNO Approval Code: HSR000911
HSNO Hazard Classifications: 6.1E, 6.4A, 6.8B, 9.1D
Refer to www.epa.govt.nz for Controls for this substance.



Signal word: WARNING

Hazard Statements

H303 May be harmful if swallowed
H320 Causes eye irritation
H361 Suspected of damaging fertility or the unborn child
H413 May cause long lasting harmful effects to aquatic life

Prevention Statements

P102 Keep out of reach of children
P103 Read label before use
P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood

P264 Wash hands thoroughly after handling
P273 Avoid release to environment
P281 Use personal protective equipment as required

Response Statements

P101 If medical advice is needed, have product container or label at hand.
P312 Call a POISON CENTRE or doctor if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice.

P308 + P313 IF exposed or concerned: Get medical advice.

Storage Statements

P405 Store locked up.

Disposal Statements

P501 Dispose of product and containers in accordance with local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common name	CAS. No	% w/w
Sodium borate	12280-41.2 *	> 98

* alternative CAS No 12280-03-4

4. FIRST AID MEASURES

If you feel unwell, are exposed or concerned, get medical advice. If medical advice is needed, have product container or label at hand. Consult the National Poison Centre, telephone 0800 764 766 [0800 POISON] or a doctor in every case of suspected poisoning. Never give fluids or induce vomiting if the person is unconscious or convulsing regardless of the cause of injury.

INGESTION: Rinse mouth. Give a glass of water to drink. Immediately call a Poison Centre or doctor for treatment advice. Do not induce vomiting unless told to do so by a Poison Centre or doctor.

INHALATION: Move person to fresh air and keep at rest until recovered. If breathing difficulties occur, seek medical attention immediately.

If person is not breathing, begin artificial respiration. Use mouth-to-nose rather than mouth-to-mouth. Get medical attention.

SKIN: Remove contaminated clothing and wash affected area with soap and water. If skin irritation occurs get medical attention. Launder contaminated clothing before re-use.

EYES: Hold eyes open and carefully rinse eyes with running water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical advice if irritation persists.

5. FIRE FIGHTING MEASURES

FLASH POINT: Non flammable

FLAMMABLE LIMITS: LFL: Not determined UFL: Not determined

EXTINGUISHING MEDIA: Water, foam or dry chemical.

FIRE & EXPLOSION HAZARDS: Avoid breathing smoke.

FIRE-FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and personal protection clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: Contain spill. Do not contaminate watercourses or the ground. Recover to suitable labeled container that can be sealed.

DISPOSAL: If product unable to be used then dispose of to an approved landfill in accordance with local regulations.

7. HANDLING AND STORAGE

HANDLING: Keep out of reach of children. Wear rubber, PVC or neoprene gloves and eye protection. Wash hands before meals and after use.

STORAGE: Store locked up in tightly closed original container in a cool dry place, out of reach of children, and away from food, drink and animal foodstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES: No Tolerable Exposure Limit (TEL) nor Workplace Exposure Standard (WES) have been set for this substance. The following information applies to other borate salts.

	WES- TWA
Borates, tetra, sodium salts	
- anhydrous	1 mg/m ³
-decahydrate	5 mg/m ³
-pentahydrate	1 mg/m ³

ENGINEERING CONTROLS: Use in a well ventilated area.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Face/Eye protection: Safety glasses or goggles.

Skin protection: Rubber, neoprene or PVC gloves.

Respiratory protection: Use in a well-ventilated area. Use mechanical ventilation in poorly ventilated or confined spaces.

Other: Overalls recommended to protect clothes from contamination. After use, wash protective equipment including the inside of gloves. Dry before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder
Colour:	White
Odour:	Odourless
Melting point (°C):	Not applicable
Flash point (°C):	Not flammable
Auto ignition temperature (°C):	Not known
Density at 20°C, g/ml:	Not known
Solubility in water:	Soluble
pH:	7.6 (10% aqueous solution)

10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID): Stable under normal storage and use conditions.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong acids and finely divided zirconium.

HAZARDOUS DECOMPOSITION PRODUCTS: Not known.

HAZARDOUS POLYMERIZATION: Not known to occur.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS: This section includes possible adverse effects, which might occur if this product is not handled in the recommended manner.

INGESTION: May be harmful if swallowed and result in irritation of gastrointestinal tract. Borate poisoning results in nausea, vomiting, diarrhea, pain in upper abdomen, weakness, lethargy, headache, restlessness, tremors and convulsions. Lethal dose is over 30 grams.

INHALATION: Dust may be highly irritating to upper respiratory tract. Inhalation of small amounts of dust over long periods may cause poisoning.

SKIN: Not identified as skin irritant although prolonged contact may result in moderate discomfort and lead to skin reactions resulting in dermatitis. Skin contact with product dissolved in solution, or with perspiration, may increase any irritant effect.

EYES: Powder is irritating to eyes resulting in pain and severe conjunctivitis. Corneal injury may result if not promptly treated.

MUTAGENICITY (EFFECTS ON GENETIC MATERIAL): Not a mutagen.

CANCER INFORMATION: Not classified as carcinogen.

TERATOLOGY (BIRTH DEFECTS) AND REPRODUCTIVE DEFECTS: Boron compounds are identified as suspected reproductive and developmental toxicants. Prolonged ingestion of borate compounds affects males and females. Borates can accumulate in the testes and deplete germ cells.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: Borates 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 the digestive system, may cause skin eruptions, and damage to the liver and kidneys.

Toxicity data:

Sodium borate	Oral, LD ₅₀ (rat)	2500 mg/kg
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12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY: No EEL has been set for this substance. Product classified as 9.1D because of biocidal action.

ENVIRONMENTAL FATE: No information.

MOVEMENT AND PARTITIONING: Product is soluble in water.

DEGRADATION AND PERSISTENCE: Borate compounds are naturally occurring in the environment.

13. DISPOSAL CONSIDERATIONS

Dispose of waste in accordance with Regional Authority or local council bylaws. Dispose of empty containers safely. Crush and dispose of by burying in an approved landfill. Do not use empty containers for storing other products.

14. TRANSPORT REGULATIONS

PUBLIC PASSENGER VEHICLE TRANSPORT:

HSNO Regulations limit packages to no more than 2.5 kg when carried on passenger service vehicles.

TRANSPORT INFORMATION:

UN Number: Not classified

HAZCHEM: -

Class: -

Packing Group: III (or IV) - refer section 15

15. REGULATORY INFORMATION

Classified as hazardous under the HSNO Act 1996 according to criteria of Minimum Degrees of Hazard (Threshold) Regulations, 2001.

HSNO Approval Code: HSR000911

Refer to Section 2 for classifications and to www.epa.govt.nz for Controls and Conditions.

16. OTHER INFORMATION

ISSUE DATE: 27th September 2016

REPLACES: Safety Data Sheet dated 28th July 2011.

REASONS FOR ISSUE: 5-yearly review.

ABBREVIATIONS:

CAS No.	Chemical Abstracts Service Number
EPA	Environmental Protection Authority
HSNO	Hazardous Substances & New Organisms
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
WES	Workplace Exposure Standard

REFERENCES:

www.epa.govt.nz

Supplier Safety Data Sheet

Before using any product, read its label carefully and ensure that you understand its contents. This information is, to the best of our knowledge and belief, accurate and reliable at the date of publication. The information relates only to the specific material designated and may not be valid for such material if it is used in combination with any other material(s). TheChemSafeGroup disclaims any liability for loss or damage suffered from the use of this information. This does not affect your statutory rights. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for his/her own particular use.

END of SAFETY DATA SHEET