

SAFETY DATA SHEET

Section 1 Identification of the material and the supplier

Product: **SureBor N**
Product Code:
Product Use: For application to timber by pressure impregnation
Restriction of Use: Refer to Section 15

New Zealand Supplier: Koppers Performance Chemicals New Zealand
Address: 14 Mayo Road,
Wiri
Auckland, New Zealand
Telephone: (09) 277 7770
Fax Number: (09) 277 8011

Emergency Telephone: 0800 200 162

Date of SDS Preparation: 15 January 2015

Section 2 Hazards Identification

This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

EPA Approval Code: HSR007668

Pictograms



Irritant

Chronic

Ecotoxic

Signal Word: DANGER

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.3A	H315	Causes skin irritation.	Category 2
6.4A	H319	Causes serious eye irritation.	Category 2A
6.5A	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	Category 1
6.5B	H317	May cause an allergic skin reaction.	Category 1
6.8B	H361	Suspected of damaging fertility or the unborn child	Category 1
6.9B	H373	May cause damage to organs through prolonged or repeated exposure	Category 2
9.1B	H411	Toxic to aquatic life with long lasting effects.	Category 2

Prevention Code Prevention Statement

- P103 Read label before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe mist, vapours or spray.
- P264 Wash hands thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, protective clothing and eye protection.
- P281 Use personal protective equipment as required.
- P285 In case of inadequate ventilation wear respiratory protection.

Response code Response Statement

- P314 Get medical advice/attention if you feel unwell.
- P362 Take off contaminated clothing and wash before re-use.
- P391 Collect spillage.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P304 + P341 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308 + P313 IF exposed or concerned: Get medical advice/ attention.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Storage Code Storage Statement

- P405 Store locked up

Disposal Code Disposal Statement

- P501 Triple rinse and dispose of according to Local Regulations

Section 3 Composition / Information on Ingredients

Ingredients	CAS NUMBER.	Weight %
Disodium Octaborate Tetrahydrate	12008-41-2	10 – 40%
Basazol Red GRL Liquid	62163-53-5	<0.5%
Benzalkonium chloride	8001-54-5	<10%
Solvent plus water	Proprietary	Balance

Section 4 First Aid Measures

Routes of Exposure:

- If in 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. Continue rinsing. Seek medical advice if irritation persists.

- If on Skin Remove/take off immediately all contaminated clothing and wash before reuse. Rinse skin with soap, water/shower. If skin irritation or rash occurs, get medical attention.

If Swallowed Call a Poison Centre or doctor for treatment advice. Rinse mouth. Do not induce vomiting unless told to do so by a Poison Centre or doctor.

If Inhaled If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, begin artificial respiration. Use mouth-to-nose rather than mouth-to-mouth. If experiencing respiratory symptoms: Immediately call a POISON CENTER or doctor/physician.

Section 5 Fire Fighting Measures

Hazard Type	Non flammable
Hazards from decomposition products	May produce carbon monoxide, carbon dioxide, nitrogen oxides and hydrogen chloride when heated to decomposition
Suitable Extinguishing media	Water spray, water fog, foam, CO ₂ , dry chemical
Precautions for firefighters and special protective clothing	Fire fighters should wear self-contained breathing apparatus and personal protective clothing. Keep containers cool.
HAZCHEM CODE	3Z

Section 6 Accidental Release Measures

SPILLS:

Wear PPE as detailed in Section 8. Evacuate unnecessary personnel from area. Contain spill. Do not contaminate watercourses or the ground. Soak up liquid with inert absorbent, sand or earth. Collect in suitable container for disposal.

DISPOSAL:

Dispose of to an approved landfill in accordance with local regulations.

Section 7 Handling and Storage

HANDLING:

- Read label and SDS before use.
- Read safety data sheet before use
- Do not breathe mist, vapours or spray.
- Wash hands thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective gloves, protective clothing and eye protection.
- Use personal protective equipment as required.
- In case of inadequate ventilation wear respiratory protection.

STORAGE:

- Store in tightly closed original container.
- Keep out of reach of children.
- Store locked up in a cool dry place.
- Store away from food, drink, animal foodstuffs and incompatible materials as listed in Section 10.

Section 8 Exposure Controls / Personal Protection

EXPOSURE LIMITS: A Workplace Exposure Standard (WES) has been set for a component in this substance.

Borates, tetra, sodium salt, pentahydrate WES-TWA
 1 mg/m³

ENGINEERING CONTROLS:

Use in a well ventilated area or where there is mechanical exhaust ventilation.

PERSONAL PROTECTIVE EQUIPMENT:

Eyes	Wear safety glasses or a face shield where there is a risk of splashes or from spray mist.
Hands and Skin	Wear chemical resistant gloves ie. PVC, Neoprene, synthetic rubber.
Respiratory	Use in a well-ventilated area. Use mechanical ventilation in poorly ventilated areas.
General	Overalls are recommended to protect clothes from contamination. Wear an impervious apron when handling concentrate. After use, wash protective equipment including inside of gloves. Dry before re-use

Section 9 Physical and Chemical Properties

Appearance	Red liquid
Odour	Slight chemical odour
Odour Threshold	Not applicable
pH	5.5-6.5
Boiling Point	Not applicable
Melting Point	Not applicable
Freezing Point	Not available
Flash Point	Not applicable
Flammability	Non Flammable
Upper and Lower Exposure Limits	Not applicable
Vapour Pressure	Not applicable
Specific Gravity	1.32 at 20 ^o C
Solubility in water	Fully miscible
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available
% Volatiles	Not applicable
Evaporation Rate	Not applicable

Section 10 Stability and Reactivity

Chemical Stability:	Stable under normal storage and use conditions.
Conditions to Avoid:	Excessive temperatures e.g. below 0 ^o C and above 40 ^o C
Incompatibility:	Preservatives such as Copper Chrome Arsenate
Hazardous	Carbon monoxide and carbon dioxide
Decomposition:	
Products	

Section 11 Toxicological Information

Toxicity data:

Borax pentahydrate	Oral, LD ₅₀ (rat) 2403 mg/kg
Boric acid	Oral, LD ₅₀ (mouse) 466 mg/kg
Benzalkonium chloride	Oral, LD ₅₀ (mouse) 150 mg/kg
	Dermal, LD ₅₀ (rat) 1420 mg/kg

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation/Respiratory	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Eye	Causes serious eye irritation.
Skin	Causes skin irritation. May cause an allergic skin reaction.

Chronic Effects:

Carcinogenicity	Not applicable
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
Germ Cell Mutagenicity	Not applicable.
STOT/SE	Not applicable.
STOT/RE	May cause damage to organs through prolonged or repeated exposure
Aspiration	Not applicable.

Section 12 Ecotoxicological Information

HSNO Classifications: 9.1B = Toxic to aquatic life with long lasting effects.

Do not allow to enter waterways.

Ecotoxic effects

Benzalkonium chloride	Bluegill sunfish LC ₅₀ (96hr) 0.32 mg/L
	Daphnia magna EC ₅₀ (48hr) 0.039 mg/L
	Green algae EC ₅₀ (72hr) 0.08 mg/L

Persistence/Degradeability:	No data available
Mobility in Soil:	No data available
Bioaccumulative potential:	No data available
Other Adverse effects:	No data available

Section 13 Disposal Considerations

Dispose of waste in accordance with local council bylaws. Rinse containers with water and return washings to treatment system for recycling. Return to supplier for re-use. If disposing of containers, crush clean dry containers and dispose of in an approved landfill. Do not use empty containers for storing other products.

Section 14 Transport Information

This substance is classified as a dangerous good for Land Transport in New Zealand according to NZS5433: 2012

Road and Rail Transport

UN No 3082
Class-primary 9
Packing Group III
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Marine Transport

UN No 3082
Class-primary 9
Packing Group III
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Air Transport

UN No 3082
Class-primary 9
Packing Group III
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Section 15 Regulatory Information

EPA Approval Code: HSR007668
HSNO Classification: 6.3A, 6.4A, 6.5A, 6.5B, 6.8B, 6.9B, 9.1B

HSNO Controls
Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L (9.1B)
Emergency Response Plan trigger Quantities	1000L (6.5A/B, 9.1B)
Secondary Containment	1000L
Restrictions of Use	No person may use this substance for any purpose other than for the treatment of timber.

Section 16 Other Information

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.
Disclaimer

This document has been compiled by TCC (NZ) Ltd on behalf of the manufacturer of the product and serves as the manufacturer's Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) Ltd has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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

Please contact the New Zealand proprietor, Koppers Performance Chemicals New Zealand, if further information is required.

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