

MATERIAL SAFETY DATA SHEET**C.C.BOR****Section 1: Product and Company Identification**

Product Name	:	C.C.BOR
Chemical Name	:	Not applicable
Chemical Formula	:	Mixture
Molecular Weight	:	Mixture
Chemical Family	:	Not applicable
Use	:	C.C.BOR is a preservative formulation for pressure impregnation of timber.
Supplier's Name	:	Mander Paint Co., LTD
Registered Address	:	96/64 moo 5 Ramindra Rd., Tarang Bangkhen Bangkok 10220
Tel. No.	:	02 - 9451785 - 6
Factory Address	:	30/11 Isarambomrung Rd., Sadao Songkhra 90120
Tel. No.	:	074 – 460173 - 4

Section 2: Information On Ingredients

<u>Chemical Name</u>	<u>CAS No.</u>
Copper Sulphate	7758-98-7
Sodium Dichromate	10588-01-9
Borate	

Section 3: Physical And Chemical Properties

Appearance	:	Orange brown paste
Odor	:	Slight metallic
Solubility	:	Highly soluble in water
Boiling point	:	Not applicable
Melting Point (°C)	:	Not applicable
Vapor Pressure (mm of Hg at 25°C)	:	Not Applicable
Percent Volatiles	:	Not Applicable
Evaporation Rate	:	Not Applicable
Vapor Density	:	Not Applicable
Specific Gravity	:	~ 2 @ 25° C
pH	:	~2 @ 2% w/v solution strength

Section 4: First Aid Measures

- Eye contact** : Wash out with plenty of water for at least 15 minutes, seek medical attention if irritation persist.
- Skin Contact** : Remove contaminated clothing immediately and washes off with plenty of soap and water. If irritation or any discomfort continues, seek medical attention.
- Inhalation** : Induce patient to vomit by giving an emetic e.g. salt water (one tablespoon full of salt in a glass of water) to drink. Seek further medical treatment immediately. Inform hospital or doctor of its chemical composition salts of boron, chrome and copper.

Section 5: Fire Fighting Measures

The product is not flammable

- Flash Point** : Not Combustible
- Auto ignition Temperature** : Not Applicable
- Flammable Limit (%)** : Not Applicable
- Explosion Properties** : Not Applicable
- Extinguishing Media** : CO₂, foam, dry powder, in order to reduce the risk of spreading contamination, whenever possible do not use water extinguishers.

Fire Fighting Instruction : Keep drums cool with water. Avoid breathing smoke and fumes. Emergency service personnel must wear breathing apparatus. Prevent, by any means available, spillage from entering drains or water course.

Explosion hazards in presence of various chemical : Not applicable

Section 6: Accidental Release Measures

Leak / Spill : Use appropriate containment to avoid environmental contamination. Absorb spillage in earth or sand. Place in appropriate container. Do not use aluminum, zinc, brass or galvanized containers. Seal container and label them. Remove contaminated material to safe location for subsequent disposal.

Section 7: Handling And Storage

Handling : Wear suitable protective clothing, eye / face protection and gloves.

Storage : Drums to be stored unopened in secure, well ventilated and bundled area away from foodstuff and incompatible or combustible materials. Store out of reach of children and unauthorized persons. Protect drums from physical damage and check regularly for leaks and spills.

Section 8: Exposure Control And Personal Protection

- a) Exposure Limit** : TLV/TWA
Chromium (VI) as Cr. Water soluble 0.05 mg/m³
Copper as Cu. Dust or mist 1.0 mg/m³
- b) Personal Protection**
- Eye** : Safety glasses with side shields. Avoid wearing contact lenses.
- Hands / Feet** : Wear chemical protective gloves. e.g. PVC.
Wear safety footwear.
- Respiratory** : General exhaust is adequate under normal operating conditions. If inhalation risk of overexposure exists, wear a respirator.
- c) Ventilation** : Provide adequate ventilation in warehouse or closed storage areas. Do not eat, drink or smoke when using this product. Wash protective clothing separate from household laundry.
- d) Health effects**
- Eye** : Burning sensation, irritation or conjunctivitis.
- Skin** : Irritation and corrosive to skin may cause dermatitis, ulceration or skin sensitization.
- Inhaled** : Inhalation of mist or spray may result in severe irritation of nose, throat, bronchial tubes and lungs.

Section 9: Stability And Reactivity

Conditions to avoid	:	Avoid reaction with strong alkalis and acids
Incompatibles	:	Oxidizing agents and halogens, aluminum, zinc and galvanized iron.
Decomposition products	:	Not known
Hazardous Polymerization	:	Not known

Section 10: Toxicological Information

Toxicity Data	:	LD50 50 mg/kg(rat) oral
----------------------	---	-------------------------

Section 11: Ecological Information

Mobility	:	Miscible in water
Toxicity	:	Harmful to aquatic organism

Section 12: Disposal Consideration

Dispose in accordance with all applicable national environmental laws and regulations

Section 13: Transport Information

UN 3085 class 5.1, 8 Group 2

The information contained herein is given in good faith, but no warranty, expressed or implied is made.
Consult Mander Paint Co., Ltd. for further information.