



Safety Data Sheet

H3 Green

1. IDENTIFICATION

Product Name:	H3 Green
Other names:	TruCore™ H3 Green
Use:	Ready to use aqueous timber treatment solution for use in industrial treatment plant for vacuum/pressure impregnation of timber or wood products to the Hazard class 3 specification.
Supplier:	KOP-COAT AUSTRALIA PTY LIMITED
Address:	Unit 1, 2 Park Road Ryalmere, NSW 2116, Australia.
Telephone:	(02) 9638 2755 (business hours only)
Emergency phone:	KOP-COAT 1800 023385 POISON INFORMATION CENTRE 131126

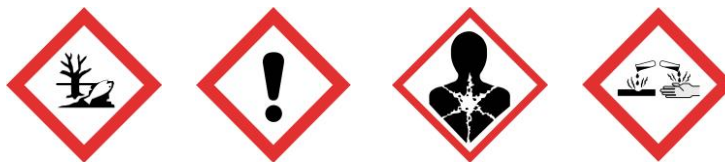
2. HAZARDS IDENTIFICATION

Australia

Hazardous classification descriptions according to GHS 3rd edition, 2009.

This product is Dangerous according to the Australia Code for Transport of Dangerous Goods (ADG Code).

Hazard Classifications:	Acute toxicity: Oral, Category 4 Acute toxicity: Dermal, Category 4 Acute toxicity: Inhalation, Category 4 Skin sensitization, Category 1 Skin corrosion, Category 1C Serious eye damage, Category 1 Aquatic toxicity (Acute), Category 1 Aquatic toxicity (Chronic), Category 1
--------------------------------	---



Signal word: DANGER

Hazard Statements:

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.

Date of Issue: 20th February, 2015
Date for Review: February, 2020

page 1 of 7
Emergency Number: 1800 023385

H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H361 Suspected of damaging fertility or the unborn child.
H410 Very toxic to aquatic life with long lasting effects.

Prevention Statements:

P102 Keep out of reach of children.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe mist/vapours/spray.
P264 Wash hands and exposed skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection.
P281 Use personal protective equipment as required.

Response Statements:

P101 If medical advice is needed, have product container or label at hand.

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

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P312 Call a POISON CENTRE or doctor if you feel unwell.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice.
P312 Call a POISON CENTRE or doctor if you feel unwell.
P363 Wash contaminated clothing before re-use.

P303 + P361 + P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing.
Rinse skin with water.

P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
P310 Immediately call a POISON CENTRE or doctor.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTRE or doctor.

P391 Collect spillage.

Storage Statements:

P405 Store locked up.

Disposal Statements:

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

3. COMPOSITION : Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%w/v)
Ethanolamine	14141-43-5	5 - 15
Copper II carbonate hydroxide	12069-69-1	1 - 10
Didecyl dimethyl ammonium chloride	7173-51-5	0.5 – 5
Disodium octaborate tetrahydrate	12008-41-2	0.5 - 5
Other formulating agents (surfactants, defoamer, mouldicide)	Proprietary	0.5 – 5
Water	7732-18-5	>50

4. FIRST AID MEASURES

For advice, contact Poison Information Centre (Phone 131126) or a doctor. Have product label or Safety Data Sheet at hand. If exposed or concerned, get medical advice.

Swallowed:

Do NOT induce vomiting. Rinse mouth thoroughly with water. Take small sips of water. Get medical advice.

Skin Contact:

Remove contaminated clothing. Wash skin with plenty of water. Get medical advice if irritation persists or rash develops. Launder contaminated clothing before re-use.

Eye Contact:

Immediately flush the eye continuously with lukewarm gently flowing water for AT LEAST 15 minutes while holding the eyelids open. Remove contact lenses, if present and easy to do, after flushing eyes for 5 minutes then continue rinsing. Get medical attention immediately.

Inhalation:

Move the victim to fresh air immediately and keep at rest and warm. Get immediate medical attention. Begin artificial respiration, if breathing is laboured or has stopped.

First Aid facilities:

Provide eye baths and safety showers close to areas where splashing may occur.

Advice to doctor:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability: Non-flammable.

Suitable extinguishing media: Water, carbon dioxide, dry chemical or foam. Use water to keep tanks cool.

Hazards from combustion products: Thermal decomposition may produce toxic fumes and smoke. Decomposition products may include carbon monoxide, carbon dioxide, ammonia, amines, nitrous oxide, ammonium chloride and hydrocarbon compounds.

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

Date of Issue: 20th February, 2015
Date for Review: February, 2020

page 3 of 7
Emergency Number: 1800 023385

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Wear appropriate personal protection equipment to prevent skin, eye and respiratory exposure. Wear approved respirator where mist or vapours of unknown concentrations. Self-contained breathing apparatus is recommended.

Methods and materials for containment

Dyke and contain spilled liquid with sand, clay, earth, sawdust or vermiculite and transfer liquid and solids separately to labelled containers for recovery or disposal.

If large spill, dike and pump into drums or tank for re-use or disposal.

Clean up and report spills immediately. Keep spills out of sewers and open bodies of water. In event of spillage contaminating a water-course, notify the local emergency services immediately.

7. HANDLING AND STORAGE

Precautions for safe handling: Read label and Safety Data Sheet before use. Do not breathe vapour or mists. Avoid contact with skin or eyes. Observe good personal hygiene practices and recommended procedures including wearing of personal protection equipment. Wash thoroughly after handling.

Conditions for safe storage: Store in bunded tank in a cool (well-shaded), dry ventilated area. Do not contaminate water, food or feed by storage or disposal.

Incompatible materials: None specified.

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:

Safe Work Australia Workplace Exposure Standards (WES), have been set for components in this product:

	WES –TWA	WES –STEL
Copper, dusts and mists (as Cu)	1 mg/m ³	
Ethanolamine	3 ppm (7.5 mg/m ³)	6 ppm (15 mg/m ³)
Borates, tetra, sodium salt	5 mg/m ³	

Biological limit values: None established

Engineering Controls:

Ventilation: Use outdoors or in well-ventilated area. Local exhaust ventilation may be necessary for some operations to maintain below exposure limits.

Personal Protective Equipment:

Respiratory Protection: Respiratory protection may be necessary under certain use conditions. Under such conditions, an approved respirator according to local standards, must be worn. A type A (organic vapour) or an air-line respirator are suitable. Seek expert advice before welding or cutting equipment.

Eye Protection: Use safety goggles or a face-shield, as necessary, where there may be exposure to mists/aerosols or risk of splashing.

Skin/ Body Protection: Wear chemical resistant flexible-type gloves, closed in footwear, and protective clothing, e.g. overalls with long sleeves buttoned to neck and at wrist, long pants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Typical value
Appearance	Clear blue liquid
Odour	Slight
Boiling Point/Range °C	Not available
Flash Point °C	Not flammable
Density g/ml @ 20 °C	1.0 – 1.1
Vapour Pressure mm Hg @ 20°C	Not determined
Vapour Density kPa @ 20°C	Not determined
Autoignition Temperature °C	Not determined
Volatiles, % by vol	Not determined
Solubility in Water	Soluble
pH	Not available

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of storage and use.

Conditions to avoid: Contact with incompatible substances; oxidising agents, acids, nitrites,

Hazardous decomposition products: may include carbon monoxide, carbon dioxide, ammonia, amines, nitrous oxide, ammonium chloride and hydrocarbon compounds.

Hazardous reactions: None specified.

11. TOXICOLOGICAL INFORMATION

Ingestion: Harmful if swallowed. May result in ulceration and burns to mouth and throat. Other symptoms may include nausea, vomiting, abdominal pain and diarrhea.

Eye Contact: Direct contact with liquid causes eye burns or severe irritation. Symptoms may include discomfort, pain, tearing, redness and swelling.

Skin Contact: May be serious irritant. Symptoms may include pain, redness, rash, dermatitis and possible burns. May be absorbed through skin with harmful effects.

Inhalation: Harmful if mists or vapours inhaled. May be irritating to nose, throat and respiratory tract. Symptoms may include coughing and headache.

Chronic Effects: Exposure to very high concentrations may result in kidney, liver and central nervous system damage. Animal ingestion studies, at high doses, indicate that borate compounds cause male reproductive effects in laboratory animals. A human study of occupational exposure to borate dust showed no adverse effect on reproduction.

Other Health Effects Information: Not available.

Toxicological Information:

Ethanolamine	Oral, LD ₅₀ (rat) 600 - 800 mg/kg b.w Oral, LD ₅₀ (guinea pig) 620 mg/kg b.w Dermal, LD ₅₀ (rabbit) 1000 mg/kg b.w
Didecyl dimethyl ammonium chloride	Oral, LD ₅₀ (rat) 84 mg/kg b.w
Copper II carbonate hydrated	Oral, LD ₅₀ (rabbit) 159 mg/kg b.w.
Disodium octaborate tetrahydrate	Oral, LD ₅₀ (rat) 2500 mg/kg b.w

12. ECOLOGICAL INFORMATION

This product contains components that are highly ecotoxic in the aquatic environment. Do not apply onto or into water. Do not contaminate water ways, sewers, or drains when disposing of wash water from equipment.

Ecotoxicological Information:

Didecyl dimethyl ammonium chloride	
Fathead minnow, LC ₅₀ (96hr)	0.33 mg/L
Opossum shrimp, LC ₅₀ (48hr)	0.039 mg/L
Green algae, EC ₅₀ (96 hr)	0.11 mg/L
Northern bobwhite	Oral, LC ₅₀ 54.4 mg/kg b.w.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Empty tanks and pipe work retains product residue that is hazardous. Do not distribute, make available, furnish or reuse empty tank except for storage of original product. Recycle washings through treatment system. Consult local authority for disposal of sludge or other wastes containing this product.

Special Precautions for Landfill or Incineration: Disposal of this product must comply with any requirements of any State or Federal regulations.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	1760	UN No.	2920	UN No.	2920
Proper Shipping Name	CORROSIVE, LIQUID, N.O.S, Contains ethanolamine, dodecyl dimethyl ammonium chloride)	Proper Shipping Name	CORROSIVE, LIQUID, FLAMMABLE, N.O.S, Flashpoint not less than 23 °C	Proper Shipping Name	CORROSIVE, LIQUID, FLAMMABLE, N.O.S, Flashpoint not less than 23 °C
DG Class	8	DG Class	8	DG Class	8
Sub. Risk		Sub. Risk	3	Sub. Risk	3
Pack Group	III	Pack Group	II	Pack Group	II
Hazchem	2X	Hazchem	3W		

Dangerous Goods Segregation

This product is identified as a Dangerous Good, Class 8.
Please consult the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG code) for information.

**15. REGULATORY INFORMATION****Australia**

Product is a diluted ready to use wood preservative solution. Concentrate is a product registered by the APVMA.

16. OTHER INFORMATION

Date of Issue: 20th February, 2015

Reasons for Issue: Safety Data Sheet for diluted ready to use wood preservative solution.

Replaces: Not applicable.

Abbreviations:

AICS Australian Inventory of Chemical Substances
GHS Global Harmonised System
STEL Short Term Exposure Limit (15 minute exposure period)
TWA Time-Weighted Average (8 hours exposure period)
WES Workplace Exposure Standard

References:

Supplier Safety Data Sheets
Work Safe Australia databases.

Other:

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

End of Safety Data Sheet