



Safety Data Sheet

H2 Red

1. IDENTIFICATION

Product Name:	H2 Red
Other names:	TruCore™ H2 Red
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 2 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:	Skin sensitization, Category 1 Aquatic toxicity (Acute), Category 1 Aquatic toxicity (Chronic , Category 1
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Signal word: WARNING

Hazard Statements:

- H317 May cause and allergic skin reaction.
- H361 Suspected of damaging fertility or the unborn child.
- H410 Very toxic to aquatic life with long lasting effects.

Prevention Statements:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing mist/vapours/spray.
- P272 Contaminated work clothing should not be allowed out of the workplace.

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

page 1 of 6
Emergency Number: 1800 023385

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection.

Response Statements:

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

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs: Get medical advice.

P363 Wash contaminated clothing before re-use.

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)
Permethrin	52645-53-1	0.5 – 1.0
Disodium octaborate tetrahydrate	12008-41-2	0.5 – 5.0
Other formulating agents (surfactants, defoamer, mouldicide, pigment)	Proprietary	0.5 – 5.0
Water	7732-18-5	>90

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 if irritation persists.

Inhalation:

Move the victim to fresh air immediately and keep at rest and warm. Get medical advice if person does not recover rapidly or symptoms persist. 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.

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

page 2 of 6
Emergency Number: 1800 023385

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, hydrogen compounds, nitrogen compounds 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.

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. Avoid breathing 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 a component in this product:

Borates, tetra, sodium salt	WES –TWA 5 mg/m ³
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Date of Issue: 20th February, 2015
Date for Review: February, 2020

page 3 of 6
Emergency Number: 1800 023385

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	Red 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, hydrogen chloride, nitrogen compounds and hydrocarbon compounds.

Hazardous reactions: None specified.

11. TOXICOLOGICAL INFORMATION

Ingestion: May be harmful if swallowed and cause gastrointestinal disturbances. Symptoms may include nausea, vomiting, abdominal pain and diarrhea.

Eye Contact: Direct contact with liquid may cause irritation. Symptoms may include discomfort, pain, tearing, redness and swelling.

Skin Contact: Direct contact with liquid may cause irritation and development of a rash.

Inhalation: May be irritating to nose, throat and respiratory tract. Symptoms may include coughing and headache.

Chronic Effects: 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 Information: Not available.

Toxicological Information:

Permethrin Oral, LD₅₀ (rat) 220 mg/kg b.w
Disodium octaborate tetrahydrate Oral, LD₅₀ (rat) 2500 mg/kg b.w

12. ECOLOGICAL INFORMATION

This product contains components that are highly ecotoxic in the aquatic environment.

Permethrin may bioaccumulate.

Do not apply onto or into water. Do not contaminate water ways, sewers, or drains when disposing of wash water from equipment.

Ecotoxicological Information:

Permethrin Rainbow trout, LC₅₀ (96hr) 0.0001 mg/L
Ceriodaphnia dubia, EC₅₀ (48hr) 0.00055 mg/L
Apis mellifera (honey bee) LD50 (48 hr) 0.024 µg/bee

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.

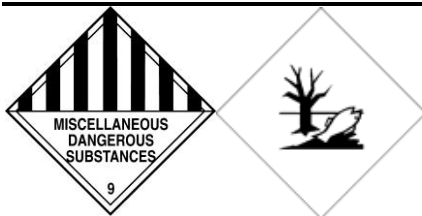
14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	3082	UN No.	3082	UN No.	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, (Contains permethrin)	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, (Contains permethrin)	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, (Contains permethrin)
DG Class	9	DG Class	9	DG Class	9
Sub. Risk		Sub. Risk		Sub. Risk	
Pack Group	III	Pack Group	III	Pack Group	III
Hazchem	3Z	Hazchem	3Z		

Dangerous Goods Segregation

This product is identified as a Dangerous Good, Class 9.

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