# SAFETY DATA SHEET

## Section 1 Identification of the material and the supplier

| | |
|---|---|
| Product: | Protim Reseal |
| Product Use: | **Timber Preservative** |
| Restriction of Use: | Refer to Section 15 |
| New Zealand Supplier: | **Koppers Performance Chemicals New Zealand** |
| Address: | **14 Mayo Road,**<br>**Wiri,**<br>**Auckland, New Zealand** |
| Telephone: | (09) 277 7770 |
| Fax Number: | (09) 277 8011 |
| **Emergency Telephone:** | **0800 243 622** |
| Date of SDS Preparation: | **27 January 2020 – version 6** |

## Section 2 Hazards Information

**This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017.**

**EPA Approval No**. HSR001481

**Pictograms**

**Flammable** **Irritant** **Chronic** **Ecotoxic**

**Signal Word: Warning**

| HSNO Classification | Hazard Code | Hazard Statement | GHS Category |
|---|---|---|---|
| 3.1C | H226 | Flammable liquid and vapour | Flam. Liq. 3 |
| 6.1D (oral) | H302 | Harmful if swallowed. | Acute Tox. 4 |
| 6.3B | H316 | Causes mild skin irritation. | Skin Irrit. 3 |
| 6.4A | H319 | Causes serious eye irritation | Eye Irrit. 2A |
| 6.9B(single exposure) | H371 | May cause damage to organs | STOT SE 2 |
| 6.9B(repeated exposure) | H373 | May cause damage to organs through prolonged or repeated exposure | STOT RE 2 |
| 9.1A | H400 | Very toxic to aquatic life | Aquatic Chronic 1 |
| 9.2C | H423 | Harmful to the soil environment | - |
| 9.3C | H433 | Harmful to terrestrial vertebrates | - |

| Prevention Code | Prevention Statement |
|---|---|
| P102 | Keep out of reach of children. |
| P103 | Read label before use. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces |
| P233 | Keep container tightly closed |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting/equipment.. |
| P243 | Take precautionary measures against static discharge |
| P260 | Do not breathe mist, vapours or spray. |
| P264 | Wash hands and face thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P273 | Avoid release to the environment. |
| P280 | Wear eye protection in the form of goggles; PVC or rubber gloves; PVC boots and overalls when manufacturing or handling the concentrated product. |

| Response code | Response Statement |
|---|---|
| P101 | If medical advice is needed, have product container or label at hand. |
| P391 | Collect spillage. |
| P301 + P312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician 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. |
| P309 + P311 | IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician. |
| P332 + P313 | If skin irritation occurs: Get medical advice/ attention. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |
| P370+P378 | In case of fire: Use foam, water fog, dry chemical powder and carbon dioxide may be used for small fires |

| Storage Code | Storage Statement |
|---|---|
| P405 | Store locked up. |
| P403+P235 | Keep cool |

| Disposal Code | Disposal Statement |
|---|---|
| P501 | Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result. Dispose of in accordance with relevant local legislation. Dispose of residues and/or containers in an approved local authority landfill. Do not bury residues or containers and do not dispose of to waterways. |

## Section 3 Composition / Information on Ingredients

| Ingredients | Wt % | CAS No. |
|---|---|---|
| Copper Naphthenate | 30 - 40% | 1338-02-9 |
| White spirits | 60 - 70% | 64742-82-1 |

## Section 4 First Aid Measures

Routes of Exposure:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

| | |
|---|---|
| IF ON SKIN: | After contact with skin, wash immediately with plenty of warm soapy water. Remove contaminated clothes and footwear. Seek medical assistance if large area involved or irritation occurs. |
| IF SWALLOWED: | Do not induce vomiting. Avoid giving anything orally. Call a POISON CENTER or doctor/physician if you feel unwell. |
| INHALATION: | Remove victim to fresh air. Remove any contaminated clothing. Lay patient down and keep warm and rested. If breathing is shallow or has stopped, ensure airway is clear and apply resuscitation. Seek immediate medical assistance. |
| IF EXPOSED: | Call a POISON CENTER or doctor/physician. |

**Most important symptoms and effects, both acute and delayed**
**Symptoms:**

| | |
|---|---|
| Ingestion: | Harmful if swallowed. |
| Inhalation: | Not applicable. |
| Skin: | Causes mild skin irritation. |
| Eye: | Causes serious eye irritation. |
| Chronic: | May cause damage to organs through single, prolonged or repeated exposure |

FIRST AID FACILITIES: Ensure an eye wash and safety showers are available and ready for use**.**

## Section 5 Fire Fighting Measures

| | |
|---|---|
| **Hazard Type** | Flammable liquid. |
| **Hazards from decomposition products** | May emit toxic fumes of carbon monoxide/dioxide if material is involved in fire or subjected to extreme heat. |
| **Suitable Extinguishing media** | Alcohol foam, water fog, dry chemical or carbon dioxide |
| **Precautions for fire-fighters and special protective clothing** | Use water spray to cool surfaces exposed to fire and personnel threatened by fire. Wear breathing apparatus in confined spaces |
| **HAZCHEM CODE** | 3Y |

## Section 6 Accidental Release Measures

### Land Spill or Leaks

Wear appropriate personal protective clothing as detailed in Section 8. Contain spill and eliminate sources of ignition. Recover liquid and absorb small spills or residue with sand or proprietary hydrocarbon absorbent. Prevent from entering drains, waterways or sewers. Collect in sealed open top containers for disposal. Notify Police and local Health Protection Officer if there is any risk of contamination of watercourses. Do not allow unused material or contaminated waste to pollute the environment, especially water courses.

## Section 7 Handling and Storage

**Precautions for safe handling:**

- Read label before use.
- Keep away from heat/sparks/open flames/hot surfaces
- Keep container tightly closed

- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/equipment..
- Take precautionary measures against static discharge
- Do not breathe mist, vapours or spray.
- Wash hands and face thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.
- Wear eye protection in the form of goggles; PVC or rubber gloves; PVC boots and overalls when manufacturing or handling the concentrated product.

**Precautions for safe storage:**

- Store locked up.
- Keep cool
- Keep out of reach of children
- Store away from incompatible materials as detailed in Section 10.

## Section 8 Exposure Controls / Personal Protection

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

| Substance | CAS # (a) | TWA ppm(b) | TWA mg/m$^3$(c) | STEL ppm(b) | STEL mg/m$^3$(c) |
|---|---|---|---|---|---|

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA).The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

**Engineering Controls:**
Use in a well-ventilated area. Volatile solvent vapours are heavier than air.
Local exhaust ventilation should be provided if material is handled in confined areas.

**Personal Protective Equipment:**

| | |
|---|---|
| **Eyes** | Wear goggles with side shields. |
| **Hands and Skin** | Wear PVC or rubber gloves, impervious apron, coveralls and suitable footwear when manufacturing or handling this product. |
| **Respiratory** | An approved organic vapour respirator meeting the requirements of AS1715 and AS1716 should be worn if there is a risk of inhalation above the TWA limits (Type A Organic vapour Respirator). When in a poorly ventilated area or confined space then use a respirator supplied with fresh air or a self-contained breathing apparatus. |
| **General** | Always wash hands before eating, drinking, smoking or using the toilet. At the end of the job, wash gloves and remove, then remove goggles and wash, then remove other protective clothing, finally remove respirator. If using a cartridge type respirator, cartridges should be removed and discarded. If the respirator is disposable, it should be discarded after use. If the respirator is reusable, it should be thoroughly cleaned as per the manufacturer's instruction. Clothing must be changed once contaminated. Protective clothing must be washed after each days work. Contaminated clothing should not be washed with normal household laundry. |

## Section 9 Physical and Chemical Properties

| | |
|---|---|
| **Appearance** | Dark green liquid |
| **Odour** | Characteristic odour |
| **Odour Threshold** | Not applicable |
| **pH** | Not applicable |
| **Boiling Point** | >140°C |
| **Melting Point** | Not applicable |
| **Freezing Point** | <0°C |
| **Flash Point** | 35°C (closed cup) |
| **Flammability** | Flammable |
| **Upper and Lower Exposure Limits** | Not available |
| **Vapour Pressure** | 0.8 kPa |
| **Relative Vapour Density (air=1):** | >1 |
| **Specific Gravity** | 0.83 g/mL |
| **Solubility in water** | Immiscible in water |
| **Partition Coefficient:** | Not available |
| **Auto-ignition Temperature** | Not available |
| **Decomposition Temperature** | Not available |
| **Kinematic Viscosity** | Not available |
| **Volatiles** | 90% |
| **Evaporation Rate** | as for mineral turpentine |

## Section 10 Stability and Reactivity

| | |
|---|---|
| Chemical Stability: | Stable |
| Conditions to Avoid: | Avoid heat and any source of ignition. |
| Incompatibility: | Avoid contact with strong oxidising agents. |
| Hazardous Decomposition: Products | May emit toxic fumes of carbon monoxide/dioxide if material is involved in fire or subjected to extreme heat |

## Section 11 Toxicological Information

**Acute Effects:**

| | |
|---|---|
| **Swallowed** | Harmful if swallowed. |
| **Dermal** | Not applicable. |
| **Inhalation/Respiratory** | Not applicable. |
| **Eye** | Causes serious eye irritation. |
| **Skin** | Causes mild skin irritation. |

**Chronic Effects:**

| | |
|---|---|
| **Carcinogenicity** | Not applicable. |
| **Reproductive Toxicity** | Not applicable. |
| **Germ Cell Mutagenicity** | Not applicable. |
| **Systematic** | Not applicable. |
| **STOT/SE** | Cause damage to organs. |
| **STOT/RE** | Cause damage to organs through prolonged or repeated exposure. |

**Individual Component Toxicity Data**:

| | | |
|---|---|---|
| Copper Naphthenate | Acute Oral Toxicity | $LD_{50}$ Rat (oral) >2000 mg/kg |
| White Spirits | Acute Oral Toxicity | $LD_{50}$ Rat (oral) >2000 mg/kg |

## Section 12 Ecotoxicological Information

**Environmental Precautions** 9.1A = Very toxic to aquatic life with long lasting effects.
9.2C = Harmful to the soil environment.
9.3C = Harmful to terrestrial vertebrates.

Do not contaminate streams, rivers or waterways with chemical or used containers.
Not toxic to bees

**Environmental Fate**

| | |
|---|---|
| Soil | No evidence available of bioaccumulation. Breaks down to inorganic copper compounds. |
| Water | No evidence available of persistence in water or sediment |

| | **9.1A Aquatic ecotoxicity** | | |
|---|---|---|---|
| | **Fish $LC_{50}$** | **Crustacea $EC_{50}$ (mg/L)** | **Algae/plant $EC_{50}$ (mg/L)** |
| Copper Naphthenate | Aquatic $EC_{50}$ estimated < 1 mg / L | Not available | Not available |

**Persistence/Degradeability:** No data available
**Other Adverse effects:** No data available

## Section 13 Disposal Considerations

Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result. Dispose of in accordance with relevant local legislation. Dispose of residues and/or containers in an approved local authority landfill. Do not bury residues or containers and do not dispose of to waterways.

## 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 | 1306 |
| Class-primary | 3.1 |
| Packing Group | III |
| Proper Shipping Name: | Wood Preservative Liquid |

Marine Transport

| | |
|---|---|
| UN No | 1306 |
| IMDG Code | 3084 Class 3.3 |
| Class-primary | 3.1 |
| Packing Group | III |
| Proper Shipping Name: | Wood Preservative Liquid |

Air Transport

| | |
|---|---|
| UN No | 1306 |
| Class-primary | 3.1 |
| Packing Group | III |
| Proper Shipping Name: | Wood Preservative Liquid |

**Limited Quantities Statement:**
If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

## Section 15 Regulatory Information

EPA approval No. HSR001481

**HSNO Classes:** 3.1C, 6.1D(oral), 6.3B, 6.4A, 6.9B, 9.1A, 9.2C, 9.3C

| HSW (HS) Regulations 2017 | Trigger Quantity |
|---|---|
| Certified Handlers | Not required |
| Location Certificate | 500 L in containers greater than 5 L, 1500 L in containers up to and including 5 L, or 250 L open containers, and held for a period exceeding 18 hours. |
| Signage Trigger Quantities (Schedule 3) | 100L (9.1A) |
| Emergency Response Plan (Schedule 5) | 100L (9.1A) |
| Secondary Containment (Schedule 5) | 100L (9.1A) |
| Tracking (Schedule 26) | Not required |
| Restriction of use – Regulation 77A | No person may use this substance described as a pesticide or a veterinary medicine.<br><br>However, this substance may be used in the formulation of a pesticide or a veterinary medicine.<br><br>For the purpose of this control—<br><br>(a) pesticide includes, but is not limited to, a product intended for use as an acaricide, antifouling paint, avicide, fumigant, fungicide, insecticide, herbicide, miticide, molluscicide, piscicide, timber treatment preservative or vertebrate toxic agent<br><br>(b) veterinary medicine has the same meaning given to it in the Agricultural Compounds and Veterinary Medicines Act 1997. |

| **HSNO Additional Controls (Restrictions of use) – Refer to www.epa.govt.nz for full control doc.** | |
|---|---|
| **Hazardous Property Controls Notice 2017** | |
| HPC Notice Part 4 Clause 47 | Equipment for class 9 substances must be appropriate |
| HPC Notice Part 4 Clause 48 | Records of application of class 9 pesticides and plant growth regulators |
| HPC Notice Part 3 | Hazardous substances in a place other than a workplace. |
| HPC Notice Part 4 Subpart A | Site and storage controls for class 9 substances |
| Packaging | Refer to Hazardous Substances (Packaging) Regulations 2001 |
| Labelling and advertising | Refer to Hazardous Substances (Labelling) Notice 2017. |
| **ACVM Act and Regulations** | |
| ACVM (Exemptions and Prohibited Substances) Regulations 2011 | Exempt under Schedule 2 |
| **Tolerable Exposure Level (TEL)** | No TEL set |
| **Environmental Exposure Level (EEL)** | No EEL set |

## Section 16 Other Information

**Glossary**

EC50 Median effective concentration.
EEL Environmental Exposure Limit.
EPA Environmental Protection Authority
HSNO Hazardous Substances and New Organisms.
HSW Health and Safety at Work.
LC50 Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD50 Lethal dose to kill 50% of test animals/organisms.
LEL Lower explosive level.
OSHA American Occupational Safety and Health Administration.
TEL Tolerable Exposure Limit.
TLV Threshold Limit Value-an exposure limit set by responsible authority.
UEL Upper Explosive Level
WES Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

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.

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Please contact the New Zealand proprietor, Koppers Performance Chemicals New Zealand, phone 64 9 277 7770, www.kopperspc.co.nz if further information is required.

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