Date	Oct19
Issue	006

RLA-SDS 07

Hazardous Substance, Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **TWA Clear Water Repellant**

Recommended use: Ready to use clear timber finish and water repellent.

Supplier: Preschem Pty Ltd
ABN: 41 314 509 336

Street Address: 147-149 Herald Street
Cheltenham VIC 3137
Australia
Telephone: 03 9532 0679
Facsimile: 03 9532 1041
Telephone (International): +61 3 9532 0679
Fax (International): +61 3 9532 1041

Emergency telephone number: 1800 641 711
International emergency number: +61 3 9532 0679

2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of safe Work Australia

Hazard Pictograms

DG Class: None allocated
Subsidiary Risk: None allocated
Packing Group: None allocated

Hazard Statement(s):

H302: Harmful if swallowed.
H315: Causes Skin Irritation.
H227: Combustible liquid.

Precautionary Statement(s):

P102: Keep out of reach of children
P260: Do not breathe vapour
P301+P310+P331: IF SWALLOWED: Call a Doctor or Poison Information Centre on 13 11 26. Do not induce vomiting.

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION
3-Iodo-2 Propynl butyl carbamate	55406-53-6	< 1%
Other Ingredients:		
Natural Drying Oils	-	30-40%
Distillate	8808-20-6	>60%
Transparent Pigment	-	< 5%
Driers	< 1%	
Ingredients determined not to be hazardous	Proprietary	to 100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre on 13 11 26.

Swallowed: If conscious, dilute stomach contents by giving large amounts of water. Seek medical attention or transport person to hospital. Do not attempt to induce vomiting or give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Eye: Flush eyes with plenty of water for a minimum of 15 minutes. Keep rotating the eyes to ensure complete flushing. Seek medical attention promptly if irritation persists or any loss of vision occurs.

Skin: Immediately remove contaminated clothing. Wash skin thoroughly with soap and water. Launder contaminated clothing before re-use. Seek medical advice if skin irritation occurs or persists.

Inhaled: Remove promptly to fresh air. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek immediate medical attention. Apply artificial respiration if breathing stops.

Notes to doctor: Symptomatic treatment. May cause central nervous system depression. Dermatitis may result from prolonged or repeated exposure. Potential for chemical pneumonitis. Consider gastric lavage with protected airway, administration of activated charcoal.

5. FIRE-FIGHTING MEASURES

Specific hazards: Classified as a C1 Combustible Liquid. Sources of ignition should be kept clear. The vapour is heavier than air, and can spread along the ground and distant ignition is possible. Product will float and can be re-ignited on water.

Extinguishing media: Foam, water spray or fog. Dry chemical powder, carbon dioxide (CO_2), sand or earth may be used for small fires only.

Fire fighting procedures: Use water to cool fire-exposed containers and any adjacent containers. Firefighters must wear self-contained breathing apparatus with full protective clothing. During a fire, irritating or highly toxic gases may be generated by thermal decomposition or combustion.

Hazardous Decomposition Products: Predominantly carbon monoxide, carbon dioxide and organic compounds.

Hazchem Code: None allocated

6. ACCIDENTAL RELEASE MEASURES

Unprotected personnel should be kept away. Spill area is likely to become slippery underfoot – use care to avoid falling or slipping. Wear protective equipment (refer Section 8) to prevent skin and eye contamination and inhalation of vapors. Stop and contain large spills for salvage or absorb in inert absorbent material (e.g. sand, earth). Scoop spilled material into marked sealable containers for disposal or recovery by an approved method. Prevent run-off into drains and waterways. Wash the spill area with copious volumes of detergent to remove any trace amounts of product. The product will not mix with water. Ventilate area well and ensure adequate personal protection as above. Small spills can be absorbed with inert absorbent material and disposed in accordance with state EPA regulations.

Dangerous Goods – Initial Emergency Response Guide No: Not applicable.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Keep containers tightly closed. Avoid ingestion and inhalation. Use only in a well-ventilated area. Wash clothing before reuse.

Storage: Store in tightly closed containers in cool, dry, isolated and well ventilated areas away from heat. Keep containers closed at all times – check regularly for leaks. Remove all ignition sources. Extinguish any naked flames. Do not eat, drink or smoke in areas of use or storage. Store with all precautions required for handling combustible liquids (AS 1940).

Incompatibilities: The product is incompatible with oxidising agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:
No value assigned for this specific material by the Hazardous Chemical Information System (HCIS).

However for:

	TWA		STEL		CARCINOGEN	NOTICES
	ppm	mg/m3	ppm	mg/m3	CATEGORY	
Distillate Solvent:	-	1200	-	-	-	-

As published by Hazardous Chemical Information System (HCIS).

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the “National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)” the ingredients in this material do not have a Biological Limit Allocated.

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Engineering controls: Facilities storing or using this material should be equipped with eyewash and deluge safety shower. Use adequate ventilation to keep airborne concentrations low. Keep containers closed when not in use.

Personal Protection

Skin: Avoid skin contact by the use of approved chemical resistant gloves and aprons – PVC or Neoprene (AS 2161).

Eye: Avoid eye contact by wearing safety glasses with side-shields or non-fogging goggles (AS/NZS 1336). Eyewash and deluge safety shower should be provided in all areas where product is handled.

Respiratory: None should be needed under normal circumstances. In situations of high vapour concentrations, wear an approved organic vapour respirator (AS/NZS 1715 and 1716)

Protective clothing (gloves, coveralls, boots, etc.) should be worn to prevent skin contact. Direct skin contact should be avoided by wearing long sleeved shirts and long trousers. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	CLEAR COLOURED LIQUID
Odour:	MILD SOLVENT ODOUR
pH:	NOT AVAILABLE
Vapour Pressure:	NOT AVAILABLE
Vapour Density:	4.76 (Air = 1)
Viscocity:	18mm/s (cST) @ 20^{o}C
Boiling Point:	156 - 178 C
Melting Point:	NOT AVAILABLE
Evaporation Rate:	NOT AVAILABLE
Solubility (water):	INSOLUBLE
Specific Gravity:	0.81
VOC:	524 g/L
Flammability:	C1 COMBUSTIBLE LIQUID
Flash Point:	> 64 C (Abel closed cup)
Upper Explosion Limit:	0.6% Volume (Distillate)
Lower Explosion Limit:	5.5% Volume (Distillate)
Autoignition Temperature:	NOT AVAILABLE

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10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Hazardous polymerization:	Will not occur.
Incompatible materials:	Strong oxidising agents.
Conditions to avoid:	Avoid heat, sparks, open flames and other ignition sources.
Hazardous decomposition products:	Predominantly carbon monoxide, carbon dioxide and organic compounds.

11. TOXICOLOGICAL INFORMATION

Swallowed: Unlikely under normal occupational exposures. Swallowing this product is likely to cause irritation to the gastrointestinal tract. Symptoms may include abdominal pain, nausea, vomiting, diarrhoea. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

Eye: The liquid may cause temporary irritation. Stinging, watering and redness of the eyes may result.

Skin: May cause slight to moderate skin irritation. Prolonged or repeated skin contact may cause defatting of the skin which could lead to dermatitis.

Inhaled: Prolonged inhalation of the vapour or mist may cause drowsiness, dizziness, nausea and headache. Central nervous system depression may occur with slowing of reflexes, fatigue and incoordination.

Chronic: Repeated or prolonged skin contact may dryness and defatting, resulting in dermatitis.

Acute toxicity: No toxicity data is available for this material. The following toxicity data is applicable for the distillates (petroleum), hydrotreated light component present in this product:

Oral LD50 – rat: > 2000 mg/kg
Dermal LD50 – rat: > 2000 mg/kg
Inhalation LC50 – rat: > 4 g/m^3/4 h

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

Long-term aquatic hazard: This material has been classified as a Category Chronic 2 Hazard. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): 1 - 10 mg/L, where the substance is not rapidly degradable and/or BCF ≥ 500 and/or log K_{ow} ≥ 4.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Suitable for disposal to approved landfill facility in accordance with local waste authority requirements. Recover or reuse if possible. Product is insoluble in water and should not be flushed to effluent treatment plants for treatment. Empty containers should be drained completely. Residues may cause an explosion hazard if heated above the flash point. Do not puncture, cut or weld uncleaned containers. Send to approved drum or metal recycler.

Refer to State/Territory Land Waste Management Authority.

14. TRANSPORT INFORMATION

Road and Rail Transport (Australian Dangerous Goods Code):

UN Number:	3082
DG Class:	9
DG Subsiduary Class:	Not Applicable
Hazchem Code:	3Z
Packing Group:	III

Classified as Dangerous Goods by the criteria of the “Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Australian Special Provisions; AU01: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code (ADG 07) when transported by road or rail in;
(c) packagings that do not incorporate a receptacle exceeding 500 Kg (L); or
(d) IBCs.

Marine Transport (International Maritime Dangerous Goods Code):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (International Air Transport Association Dangerous Goods Regulations):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Poisons Schedule (Aust): S5

Classification:

Classified as a hazardous substance according to criteria of Safe Work Australia.
Classified as a Dangerous Good according to criteria of the Australian Dangerous Goods Code.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Literary reference

Australian Standards References:

AS/NZS 1336 Recommended Practices for Occupational Eye Protection.

AS/NZS 1715 Selection, Use and Maintenance of Respiratory Protective Devices.

AS/NZS 1716 Respiratory Protective Devices.

AS 1940 The Storage and Handling of Flammable and Combustible Liquids.

AS 2161 Industrial Safety Gloves and Mittens (excluding electrical and medical gloves).

This Safety Data Sheet has been prepared by Preschem Pty Ltd.

Issue Date: 07-Oct-2019 Supersedes Issue Date: 27-Mar-2018

Reason(s) For Issue: Revision

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Preschem Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request