

SAFETY DATA SHEET

Timbertreat TC



1. SUBSTANCE IDENTIFICATION

SUPPLIER NAME	Kop-Coat NZ Limited
SUPPLIER ADDRESS	Level 1, 272 Parnell Road, Auckland 1052 PO Box 3878 Shortland Street, Auckland 1140
SUPPLIER CONTACT DETAILS	07 343 6304
EMERGENCY PHONE	
POISON INFORMATION	0800 POISON (0800 764 766) 24 hours
CHEMICAL EMERGENCY	0800 CHEMCALL (0800 243 622) 24 hours
ACTIVE INGREDIENT(S) AND PRESENTATION	177g/L tebuconazole, 177g/L propiconazole, 118g/L permethrin, 59g/L disodium octaborate tetrahydrate as an emulsifiable concentrate.
USE	Pre-blended manufacturing concentrate for dilution with water before use in industrial treatment facility.

2. HAZARDS IDENTIFICATION

Classified as Hazardous according to the NZ Environmental Protection Authority criteria.

GHS CLASSIFICATIONS	Acute oral toxicity Category 4 Skin irritation Category 2 Respiratory sensitisation Category 1 Skin sensitisation Category 1 Reproductive toxicity Category 2 Specific target organ toxicity repeated exposure Category 1 Specific target organ toxicity single exposure Category 2 Serious eye damage Category 1 Hazardous to the aquatic environment acute Category 1 Hazardous to the aquatic environment chronic Category 1 Hazardous to terrestrial vertebrates Hazardous to terrestrial invertebrates	
SIGNAL WORD	DANGER	
PICTOGRAMS		
HAZARD STATEMENTS	H302	Harmful if swallowed.
	H315	Causes skin irritation.
	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	H317	May cause an allergic skin reaction.
	H361	Suspected of damaging fertility or the unborn child.
	H372	Causes damage to kidneys through prolonged or repeated exposure.

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2. HAZARDS IDENTIFICATION

PREVENTION STATEMENTS	H371	May cause damage to organs.
	H318	Causes serious eye damage.
	H400	Very toxic to aquatic life (acute).
	H410	Very toxic to aquatic life with long lasting effects (chronic).
	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 face and hands thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P270	Do not eat, drink or smoke when using this product.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P273	Avoid unintended release to the environment.
	P280	Wear protective gloves / protective clothing / eye protection / face protection.
	P284	In case of inadequate ventilation wear respiratory protection.
RESPONSE STATEMENTS	P301 + P312	IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
	P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
	P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
	P305 + P351 +P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308 + P311	IF exposed or concerned: Call a POISON CENTER or doctor
	P310	Immediately call a POISON CENTRE or doctor/physician.
	P314	Get medical advice/attention if you feel unwell.
	P330	Rinse mouth.
	P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
	P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.
	P362 + P364	Take off contaminated clothing and wash before re-use.
	P391	Collect spillage.
	P405	Store locked up See Section 7.
	P501	Dispose of contents/containers in accordance with relevant regulations. See Section 13.
STORAGE STATEMENTS		
DISPOSAL STATEMENTS		

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3. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION %w/v
Tebuconazole	107534-96-3	16 (177g/L)
Propiconazole	60207-90-1	16 (177g/L)
Permethrin	52645-53-1	11 (118g/L)
Ethylene glycol	107-21-1	13 (130g/L)
Disodium octaborate tetrahydrate	12008-41-2	5.3 (59g/L)
Trialkyl nitrogen oxide	Proprietary	20 - 30
Non-hazardous ingredients	Proprietary	Balance to volume

4. FIRST AID MEASURES

For advice call the National Poisons Centre 0800 POISON (0800 764 766) 24 hours or a doctor. If medical advice is needed have product container or label to hand.

EYE CONTACT	Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Get immediate medical advice/attention.
SKIN (or hair) CONTACT	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice/attention. Wash contaminated clothing before reuse.
INHALATION	Remove to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing. Call doctor if you feel unwell.
INGESTION	Do NOT induce vomiting. Rinse mouth. Call the POISON CENTRE or a doctor if you feel unwell.
NOTES TO DOCTOR	Treat symptomatically.
IF EXPOSED OR CONCERNED	Get medical advice/attention
FIRST AID FACILITIES	Hand and eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Use water fog, water spray, carbon dioxide or dry chemical. Prevent extinguishing media from entering drains.
THERMAL DECOMPOSITION PRODUCTS	Combustible. Thermal decomposition may produce toxic fumes and compound.
SPECIAL FIRE FIGHTING METHODS	Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.
HAZCHEM CODE	3Z

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Exclude non-essential people from the area. Turn off sources of ignition. Wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS.
ENVIRONMENTAL PRECAUTIONS	Prevent product from entering waterways or drains.

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6. ACCIDENTAL RELEASE MEASURES

SPILLS AND DISPOSAL

Spills may be slippery and should be cleaned up immediately. Contain spillage, then cover/absorb with inert, non-combustible absorbent material (attapulgate or similar). Collect and place in suitable sealed, labelled containers for disposal. Wash area and absorb with further inert material. Dispose of safely at an approved landfill.

See Section 13 for details on disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR HANDLING

Carefully read the label before use. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands and face before eating. Prohibit eating, drinking and smoking in contaminated areas.

STORAGE

Store in original container, tightly closed, in a locked, dry, cool and well-ventilated area and avoid direct sunlight. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

New Zealand: Stores containing 100 litres or more require secondary containment, signage and an emergency response plan.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

A NZ Workplace Exposure Standard: CEILING 50ppm, 127mg/m³ has been established for ethylene glycol [CAS: 107-21-1]

EYE PROTECTION

Wear splash proof goggles.

RESPIRATORY PROTECTION

Wear respiratory protection (organic vapour cartridge(s) when mixing/applying or there is risk of inhalation.

PROTECTIVE CLOTHING

Wear chemically resistant gloves, coveralls, socks and chemical-resistant footwear.

VENTILATION

Avoid inhalation. Use in a well-ventilated area.

HYGIENE PRECAUTIONS

Do not eat, drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands and face after handling before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/STATE/ COLOUR

Clear amber liquid

ODOUR

Not Available

ODOUR THRESHOLD

Not Available

pH (1% dilution in water)

8.8 typical

MELTING POINT/FREEZING POINT

Not Available

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9. PHYSICAL AND CHEMICAL PROPERTIES

INITIAL BOILING POINT/BOILING RANGE	Not Available
FLASHPOINT	>94°C
FLAMMABILITY	Non flammable
UPPER/LOWER FLAMMABILITY LIMITS	Not Available
VAPOUR PRESSURE	Not Available
VAPOUR DENSITY	Not Available
RELATIVE DENSITY	~1.1 g/ml @ 20°C
SOLUBILITY	Emulsifies in water
OCTANOL/WATER PARTITION COEFFICIENT	Not Available
AUTOIGNITION TEMP	Not Applicable
DECOMPOSITION TEMPERATURE	Not Available
KINEMATIC VISCOSITY	Not Available
PARTICLE CHARACTERISTICS	Not Applicable

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal storage conditions in original container for two years.
CONDITIONS TO AVOID	None known.
MATERIALS TO AVOID	Strong acids/bases. Oxidising and reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Hazardous polymerisation will not occur. Thermal decomposition may produce toxic fumes and compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	No toxicological data is available for the finished product.
ORAL TOXICITY	Harmful if swallowed Propiconazole LD50 (rabbit) 1344mg/kg Tebuconazole LD50 (mouse) 1615mg/kg Permethrin LD50 (rat) 220mg/kg Trialkyl nitrogen oxide LD50 (rat) 1100mg/kg
DERMAL TOXICITY	No information
INHALATION TOXICITY	No information
EYE CORROSION/IRRITANCY	Causes serious eye damage.
SKIN CORROSION/IRRITANCY	Causes skin irritation.
SENSITISATION	May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled

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11. TOXICOLOGICAL INFORMATION

CHRONIC EFFECTS

CARCINOGENICITY	No information
REPRODUCTIVE TOXICITY	Suspected of damaging fertility or the unborn child.
GERM CELL MUTAGENICITY	No information
ASPIRATION	No information
STOT/SE	May cause damage to organs.
STOT/RE	Causes damage to kidneys through prolonged or repeated exposure.
NARCOTIC EFFECTS	No information

12. ECOLOGICAL INFORMATION

TOXICITY	Very toxic to the aquatic environment with long lasting effects. Hazardous to terrestrial vertebrates. Hazardous to terrestrial invertebrates.		
PRECAUTIONS	Avoid release to the environment.		
ECOTOXICITY INFORMATION	Propiconazole	Rainbow trout,	LC50 830µg/L (0.83mg/L)
		Green algae	EC50 0.00022mg/L
	Tebuconazole	Lemna gibba (alga),	EC50 0.1444mg ai/L (frond number)
		Rainbow trout,	LC50 4.4mg/L
		Daphnia magna (water flea)	LC50 (48h) 4mg/L
	Permethrin	Rainbow trout,	LC50 0.0001mg/L
		Water flea,	LC50 (48h) 0.16mg/L
		Honey bee,	LD50 0.024µg/bee
	Trialkyl nitrogen oxide compounds	Fish (zebra), LC50 10-100mg/L Daphnia magna, EC50 (48hr) 4.4mg/L	

13. DISPOSAL CONSIDERATIONS

Do not contaminate streams, rivers or waterways with the chemical or the used container.

PRODUCT DISPOSAL	Dispose of by using product as intended, according to the label directions. If this is not possible, contact your supplier or chemical recycling facility. Consult the regional council for disposal or sludge or other wastes containing this product.
CONTAINER DISPOSAL	Triple rinse container and recycle product washings through treatment system. Only reuse empty containers for storage and or shipment of the original product. Do NOT burn. Dispose at an approved landfill.

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14. TRANSPORT INFORMATION

Classified as a Dangerous Good according to Land Transport Rule: Dangerous Goods 2005, NZS 5433:2020, IMDG or IATA.



	Land Transport (NZS 5433)	Sea Transport (IMDG/IMO)	Air Transport (IATA/ICAO)
UN Number	3082	3082	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (propiconazole, permethrin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (propiconazole, permethrin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (propiconazole, permethrin)
Transport Hazard Class	9	9	9
Subsidiary Class	-	-	-
Packing Group	III	III	III
Hazchem	3Z	3Z	-
Marine Pollutant Status		Marine Pollutant	

This product must not be transported on a passenger service vehicle.

15. REGULATORY INFORMATION

EPA Approval

HSR002503 Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2020

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16. OTHER INFORMATION

SDS ISSUE DATE	1 July 2024
SDS REVIEW DATE	July 2029
REFERENCES	Supplier SDS NZ Workplace Exposure Standard and Biological Exposure Indices (Nov 2023) NZ Chemical Classification Information Database NZ EPA Hazardous Substance Approvals and Group Standards Databases
ABBREVIATIONS	
CAS Number	Chemical Abstract Service Number - used to uniquely identify chemical compounds
EPA	Environmental Protection Authority (New Zealand)
g/L	Grams per litre
GHS	Globally Harmonised System
HSNO	Hazardous Substances and New Organisms
LC50	Lethal Concentration, 50%/Median Lethal Concentration
LD50	Lethal Dose, 50%/Median Lethal Dose
mg/m ³	Milligrams per cubic metre
STEL	Short Term Exposure Limit
WES	Workplace Exposure Standard
IMDG/IMO	International Maritime Dangerous Goods/International Maritime Organisation
IATA/ICAO	International Air Transport Association/International Civil Aviation Organisation
TLV	Threshold Limit Value
TWA	Time Weighted Average
OEL	Occupational Exposure Limit

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.

End of Safety Data Sheet