

Country: RSA, NAM, BOT, ZAM, MOZ
 Language: English
 Version: 1

SDS Number: 000053
 Issue Date: 2024-05-01
 Print Date: 2024-05-21

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier				
Product form		Mixtures		
Trade name		PWP Wood Pro		
Product code		11 35122 (6001379 107875)		
Registration Number		L10813		
SDS Number		000053		
1.1. Relevant identified uses of the substance or mixture and uses advised against				
1.1.1. Relevant identified uses				
Main use category		Wood-Boring Insects and Fungi.		
Industrial/Professional use spec		Home.		
Use of the substance/mixture		Alkaline Copper Quaternary Type Wood Preservative. Timber preservative for protection against attack by termites, insects and fungal decay.		
1.1.2. Uses advised against				
		See product label for restrictions.		
1.3. Details of the supplier of the safety data sheet				
Registration Holder & Manufactured By: Dolphin Bay Chemicals (Pty) Ltd Reg. No. 2003/031169/07 PO Box 57, Mossel Bay, 6500		Distributed BY: Agro-Serve (Pty) Ltd trading as Efekto 15 Diesel Road, Isando, 1600, South Africa P.O. Box 652147, Benmore, 2010, South Africa		
Telephone		+27 861 333 586 08h00 – 17h00 Monday to Friday		
Email		info@efekto.co.za		
Website		www.efekto.co.za		
1.4. Emergency telephone number				
Country	Organisation/Company	Address	Emergency number	Comment
Poisons Centre				
South Africa	Griffon Poisons Centre		082 446 8946	Dr Gerhard H Verdoorn
Spillage				
South Africa	Spill Tech		086 100 0366	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture			
Classification according to Regulation (EC) No. 1272/2008 [CLP]Mixtures			
	Corrosive to Metals: Category 1 Class 8: H290 May be corrosive to metals.		
	Acute toxicity: Category 4: H302 Harmful if swallowed.		
	Skin Corr.: Category 1B: H314: Causes severe skin burns and eye damage.		
	Serious eye damage: Category 1: H318: Causes serious eye damage.		
	Acute toxicity, inhalation: Category 4: H332 Harmful if inhaled.		
	Repr.: Category 1B: H360FD: May damage fertility, may damage unborn child.		
	Acute aquatic toxicity: Category 1: H400 Very toxic to aquatic life.		
	Chronic aquatic toxicity: Category 1: H410 Very toxic to aquatic life with long lasting effects.		
2.2. Label elements			
Labelling according to Regulation (EC) No. 1272/2008 [CLP]			
			
Hazard pictograms:	GHS05	GHS07	GHS09
Hazardous components which must be listed on the label:	• Copper Carbonate • Didecyl-dimethylammonium Chloride (DDAC)		
CLP Signal word:	Danger		
Hazard statements:	H290: May be corrosive to metals. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects.		
General Statement:	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P103: Read label before use.		
Precautionary statements:	P234: Keep only in original container. P260: Do not breathe dust/fume/gas/mist/vapours/spray.		

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	P265: Do not touch eyes.
	P270: Do not eat, drink or smoke when using this product.
	P273: Avoid release to the environment.
	P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response Precautionary Statements:	P301+P317: IF SWALLOWED: Get medical help.
	P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P302+P361+P354: IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
	P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P305+P354+P338: IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P316: Get emergency medical help immediately.
	P321: Specific treatment: as recommended by medical practitioner or specialist.
	P363: Wash contaminated clothing before reuse.
	P390: Absorb spillage to prevent material damage.
	P391: Collect spillage.
Storage Precautionary Statements	P403+P235: Store in a well-ventilated place. Keep cool.
Disposal	P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
2.3. Other hazards	
	Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

	Emulsifiable concentrate (EC)
	Biocidal product

3.2. Mixtures

Chemical Name	CAS-No.	EC – Number	Conc. % by weight	Classification	Warning Symbols
Copper Carbonate (Hazard classification of this material is based on the worst possible case)	12069-69-1	235-113-6	10 - 30 %	Acute Tox. 3: H302. Acute Inhal. Tox. 4: H332. Eye Irrit. 2: H319. Aquatic Acute 1: H400. Aquatic Chronic 1: H410.	 
Didecyl-dimethylammonium Chloride (Hazard classification of this material is based on the worst possible case)	7173-51-5	230-525-2	< 6 %	Acute Tox. 3: H302. Skin Corr. 1B: H314. Eye Dam. 1: H318. Aquatic Acute 1: H400. Aquatic Chronic 1: H410.	  
Mono-ethanolamine (Hazard classification of this material is based on the worst possible case)	141-43-5	205-483-3	30 – 50 %	Acute Tox. 4: H302. Acute Tox. 4: H312. Acute Tox. 4 (Inhalation): H332. Skin corrosion 1B: H314. Eye Dam. 1: H318.	 
Other ingredients (non-hazardous) to 100%		Balance		100 %	

Further information

Copper Carbonate	12069-69-1	M-Factor: 1 (Chronic)
Didecyl-dimethylammonium Chloride	7173-51-5	M-Factor: 10 (Acute)

For the full text of the Hazard statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General Advice	Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
First-aid measures after inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing okay, place in the recovery position. If conscious, ensure that the casualty sits or lies

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	down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.
First-aid measures after skin contact	Remove all contaminated clothes and footwear immediately unless stuck to the skin. Drench the affected area with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are any burns or symptoms of poisoning.
First-aid measures after eye contact	Immediately rinse with plenty of water for at least 15 minutes while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Get emergency medical help immediately. Get medical attention if irritation or pain persists after initial medical consultation.
First-aid measures after ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Give one cup of water to drink every 10 minutes. If unconscious and breathing is ok, place in the recovery position. Transfer patient to hospital as soon as possible.
4.2. Most important symptoms and effects, both acute and delayed	
	Acute (immediate): Contact with skin or eyes may cause severe irritation, burns and ulcerations. Corrosive to gastrointestinal tract when swallowed. Ingestion is expected to result in irritation of the throat and mucous membrane. May cause a dry and painful throat, abdominal pain and vomiting. Can cause inflammation, internal haemorrhaging and/or death if consumed as a liquid. Corrosive to upper airways when inhaled and may cause severe respiratory tissue irritation and damage. Symptoms include a dry and painful throat, tightness of the chest and shortness of breath. Delayed: Prolonged over-exposure may cause damage to the respiratory tract, such as ulceration of the nasal mucosa.
4.3. Indication of any immediate medical attention and special treatment needed	
	PWP WOOD PRO is corrosive. Principal concerns relate to possibility of eye damage. Inhalation of spray mists presents possibilities of simultaneous poisoning and corrosive effects. Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1. Extinguishing media	
Suitable	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable	Water jet.
5.2. Special hazards arising from the substance or mixture	
	Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: Nitrogen oxides. Carbon monoxide. Carbon dioxide.
5.3. Advice for firefighters	
	Special protective equipment for fire-fighters Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of this SDS.
5.3. Further information	
	Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	
6.1.1. For non-emergency personnel	
Emergency procedures	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces. Ventilate spillage area. Avoid contact with skin and eyes.
6.1.2. For emergency responders	
Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
	Do not allow to enter soil, waterways or wastewater canal.
6.3. Methods and material for containment and cleaning up	
For containment	Collect spillage.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.
Other information	This product is a corrosive, toxic liquid. Thermal decomposition may produce toxic fumes of NOx, NH3, HCl. Hazchem Code is 2XE. Disperse with water fog or spray. Wear full protective clothing, including approved breathing apparatus.
6.4. Reference to other sections	

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	Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13.
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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	Avoid the formulation or spread of mists in the air must be deleted completely. Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Store in a cool, well ventilated are. Keep container tightly closed. Must only be kept in original packaging.
Hygiene measures	Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.
7.2. Conditions for safe storage, including any incompatibilities	
Storage conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Store in original container. Keep away from direct sunlight. Protect from freezing.
Storage temperature	>0°C <30°C
7.3. Specific end use(s)	
	Refer to the label and/or leaflet.

SECTION 8: Exposure controls/personal protection				
Control parameters				
Components	CAS-No.	Exposure limit(s)	Type of exposure limit	Source
RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.				
Appropriate engineering controls:		Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.		
Hand protection:		Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.		
Eye protection:		Tightly fitting safety goggles.		
Skin and body protection:		Wear long-sleeved shirt and long pants and shoes plus socks.		
Respiratory protection:		Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or were indicated by your risk assessment process. For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.		
				
General protective measures:		Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.		
Environmental exposure controls:		Avoid release to the environment.		

SECTION 9: Physical and chemical properties	
9.1. Information on basic physical and chemical properties	
Physical state	Liquid
Colour	Clear, slightly viscous, royal blue liquid
Odour	Characteristic
Odour threshold	No data available

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Melting point / Freezing point	No data available
Boiling point or initial boiling point and boiling range	101 °C
Flammability	Not flammable.
Lower and upper explosion limit	No data available
Flash point	No data available.
Auto ignition temperature	No data available.
Decomposition temperature	No data available
pH	8.0 – 11.0
Kinematic viscosity	No data available
Solubility	Miscible
Partition coefficient octanol / water (log value)	No data available
Vapour pressure	No data available
Density Solubility	No data available
Relative density	1.00 -1.20 kg/L @ 20°C
Particle characteristics	No data available
9.2. Other information	
	No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	
	Stable under normal conditions.
10.2. Chemical stability	
	Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions	
	No hazardous reactions when stored and handled according to prescribed instructions.
10.4. Conditions to avoid	
	Extremes of temperature and direct sunlight.
10.5. Incompatible materials	
	Store only in the original container.

SECTION 11: Toxicological information

11.1. Information on toxicological effects	
Acute toxicity	: Not classified
LD50 oral rat	LD50 (rat) > 695 mg/kg
LD50 dermal rat	LD50 (rat) > 2,000 mg/kg
LC50 inhalation rat (mg/l)	LC50 (Rat) 1.9 mg/l 4 hours
Skin corrosion/irritation	Causes severe skin damage.
Serious eye damage/irritation	Causes severe eye damage.
Respiratory or skin sensitisation	Harmful if inhaled. May cause irritation with a burning sensation of the upper respiratory tract, nasal and oral mucosa. May cause ulceration of the nasal mucosa, nose bleeds, loss of the sense of smell, inflamed throat and pain in the nose and throat.
Ingestion	Harmful if swallowed. May cause severe irritation with a burning sensation of the throat and mucous membranes.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Causes damage to the respiratory tract with ulceration of the nasal mucosa, nose bleeds, loss of the sense of smell, inflamed throat and pain in the nose and throat.
Assessment mutagenicity	No known significant effects or critical hazards.
Assessment carcinogenicity	No known significant effects or critical hazards.
Assessment toxicity to reproduction	May damage fertility and the unborn child.
Assessment developmental toxicity	No known significant effects or critical hazards.
Further information	Not applicable

SECTION 12: Ecological information

12.1. Toxicity	
Ecology - general:	This product is very toxic to aquatic life with long lasting effects.
Copper carbonate (basic)	

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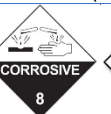
LC50 fish 1	Cyprinus carpio (Carp)) 0.121 mg/l static test; Exposure time: 96 h
EC50 Daphnia 1	Daphnia magna (Water flea)) 0.053 mg/l static test; Exposure time: 48 h Test
DDAC	
LC50 fish 1	Cyprinus carpio (Carp)) 0.49 mg/l static test; Exposure time: 96 h
EC50 Daphnia 1	Daphnia magna (Water flea)) 0.021 mg/l static test; Exposure time: 48 h
ErC50 (algae) 1	Selenastrum capricornutum (green algae): 0.021 mg/l Exposure time: 72 h
Mono-ethanolamine	
LC50 fish 1	Cyprinus carpio (Carp)) 125 mg/l static test; Exposure time: 96 h
EC50 Daphnia 1	Daphnia magna (Water flea)) 0.85 mg/l static test; Exposure time: 48 h
ErC50 (algae) 1	Selenastrum capricornutum (green algae): 2.8 mg/l Exposure time: 72 h
12.2. Persistence and degradability	
Persistence and degradability	Copper, being inorganic, will not degrade. DDAC is highly biodegradable ² .
12.3. Bioaccumulative potential	
Log Pow	Copper bioaccumulates in fish.
12.4. Mobility in soil	
Ecology - soil	Strong absorption of Cu to soil particles is expected. A lower environmental pH can dramatically increase the leaching of Cu. DDAC, a quaternary ammonium compound, has a strong tendency to sorb to wastewater biosolids, sediment, and soil, limiting its toxicity and mobility in water and soil
12.5. Results of PBT and vPvB assessment	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.	

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	Follow container label instructions for disposal of wastes generated during use in compliance with the product label. Never place unused product down any indoor or outdoor drain.
Contaminated packaging	Do not re-use empty containers. Place empty container in trash. Follow advice on product label and/or leaflet.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / AND / RID				
ADR	IMDG	IATA	ADN	RID
14.1. UN number				
2922	2922	2922	2922	2922
				
14.2. UN proper shipping name				
UN 2922. Corrosive liquids, toxic, n.o.s mixture, 8 (6.1), II, (E)	UN 2922, Corrosive liquids, toxic, n.o.s mixture, 8 (6.1), II, Marine Pollutant	UN 2922, Corrosive liquids, toxic, n.o.s mixture, 8 (6.1), II	UN 2922, Corrosive liquids, toxic, n.o.s mixture, 8 (6.1), II	UN 2922, Corrosive liquids, toxic, n.o.s mixture, 8 (6.1), II
Transport document description				
14.3. Transport hazard class(es)				
8 (6.1)	8 (6.1)	8 (6.1)	8 (6.1)	8 (6.1)
				
14.4. Packing group				
II	II	II	II	II
14.5. Environmental hazards				
Yes.	Yes.	Yes.	Yes.	Yes.

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Registration No.	L10813
Signal word:	Danger (GHS) Harmful (WHO)
This chemical is a registered pesticide product and is subject to certain labelling requirements under law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label.	
Precautionary statements:	P203: Obtain, read and follow all safety instructions before use. P234: Keep only in original container. P260: Do not breathe dust/fume/gas/mist/vapours/spray. P264+P265: Wash hands and exposed skin thoroughly after handling. Do not touch eyes. P270: Do not eat, drink or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P317: IF SWALLOWED: Get medical help. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302+P361+P354: IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P354+P338: IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P316: Get emergency medical help immediately. P321: Specific treatment: as recommended by medical practitioner or specialist. H360FD: May damage fertility, may damage unborn child. P363: Wash contaminated clothing before reuse. P390: Absorb spillage to prevent material damage. P391: Collect spillage. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.
Disposal	P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
WHO-classification:	Harmful Category II
Classification according to GHS:	Category 4
IRAC Insecticide Group Code:	N/A
15.2. Chemical safety assessment	
	Young people under the age of 18 are not allowed to work with the substance.

SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
Full text of H- and EUH-statements:			
H290	May be corrosive to metals.		
H302	Harmful if swallowed.		
H314	Causes severe skin burns and eye damage.		
H318	Causes serious eye damage.		
H332	Harmful if inhaled.		
H360FD	May damage fertility, may damage unborn child.		
H400	Very toxic to aquatic life.		
H410	Very toxic to aquatic life with long lasting effects.		
Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:			
Corrosive to Metals: Category 1 Class 8	H290	Calculation method.	
Acute toxicity: Category 4	H302	Calculation method.	
Skin Corr.: Category 1B:	H314	Calculation method.	
Serious eye damage, category 1	H318	Calculation method.	
Acute toxicity, inhalation: Category 4	H332	Calculation method.	
Repr.: Category 1B: H360FD	H360FD	Calculation method.	
Acute aquatic toxicity: Category 1	H400	Calculation method.	
Chronic aquatic toxicity: Category 1:	H410	Calculation method.	

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HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 2	Flammability - 2	Physical Hazard - 2	PPE - 2
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0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE	Acute toxicity estimate.
CAS-Nr.	CAS-Nr. Chemical Abstracts Service number.
CEILING	Ceiling Limit Value.
Conc.	Concentration.
EC-No.	European community number.
ECx	Effective concentration to x %.
IATA	International Air Transport Association.
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code).
ICx	Inhibition concentration to x %.
IMDG	International Maritime Dangerous Goods.
LCx	Lethal concentration to x %.
LDx	Lethal dose to x %.
LOEC/LOEL	Lowest observed effect concentration/level.
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships.
N.O.S.	Not otherwise specified.
NOEC/NOEL	No observed effect concentration/level.
OECD	Organization for Economic Co-operation and Development.
OES	Occupational Exposure Standard.
PEAK	PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail.
SK-SEN	Skin sensitiser.
SKIN_DES	SKIN_DES: Skin notation: Absorption through the skin may be a significant source of exposure.
STEL	STEL: Exposure standard - short term exposure limit (STEL): A 15-minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.
TWA	TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.
UN	United Nations.
WHO	World health organisation.

This safety data sheet provides health and safety information. This product is to be used in applications with best use practice. The product information in this data sheet is to the best of our knowledge correct as at the date of publication. Agro-Serve (Pty) Ltd does not accept responsibility for damage caused by incorrect use of this information.

Training and related advice: This document contains important information to ensure the safe storage, handling of this product. It is the responsibility of your organisation to ensure that the information contained in this document is communicated to staff and that all necessary training has been given.

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions.

Prepared BY: Nico Lionel van der Westhuis – Technical Support Marketing

SDS EU (REACH Annex II) Update 1 May 2024

End of Safety Data Sheet