

Ant Dust

Safety Data Sheet

According to (EC) 1907/2006 (REACH) amendment Reg. (EU) 2020/878





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

SDS Number: 000049
 Issue Date: 2022-09-01
 Print Date: 2024-11-21

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

1.1 Product identifier				
Product form	Mixtures			
Trade name	Ant Dust			
Product code	200g 32104 (6001379101828)			
Registration Number	L8769; N-AR0102; W130620			
SDS Number	000049			
1.2. Relevant identified uses of the substance or mixture and uses advised against				
1.2.1. Relevant identified uses				
Main use category	Insecticide – Plant Protection Product.			
Industrial/Professional use spec	Home and Garden.			
Use of the substance/mixture	Insecticide.			
1.2.2. Uses advised against				
See product label for restrictions.				
1.3. Details of the supplier of the safety data sheet				
		Agro-Serve (Pty) Ltd 15 Diesel Road, Isando, 1600, South Africa PO Box 1189, Isando, 1600, 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
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				
		Acute toxicity, oral: Category 5: H303 May be harmful if swallowed.		
		Acute toxicity, Inhalation: Category 5: H333 May be harmful if inhaled.		
		Carcinogenicity: Category 2: H351 Suspected of causing cancer.		
		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.		
See Section 16 for the full text of the H statements declared above.				
See Section 11 for more detailed information on health effects and symptoms.				
2.2. Label elements				
Labelling according to Regulation (EC) No. 1272/2008 [CLP]				
Hazard pictograms:		 		
		GHS08 GHS09		
Hazardous components which must be listed on the label:		• Carbaryl & Deltamethrin		
CLP Signal word:		Warning		
Hazard statements:		H303: May be harmful if swallowed.		
		H333: May be harmful if inhaled.		
		H351: Suspected of causing cancer.		
		H400: Very toxic to aquatic life.		
		H410: Very toxic to aquatic life with long lasting effects.		
Precautionary statements:				
General Statement:		P101: If medical advice is needed, have product container or label at hand.		
		P102: Keep out of reach of children.		
		P103: Read carefully and follow all instructions.		
Prevention Statement:		P203: Obtain, read and follow all safety instructions before use.		
		P280: Wear protective gloves/protective clothing/eye protection/face protection.		
Response Statements:		P318: If exposed or concerned, get medical advice.		
		P304+P317: IF INHALED: Get medical help.		
		P391: Collect spillage.		

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Storage Statements	P403+P233: Store in a well-ventilated place. Keep container tightly closed.
Disposal Statements	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					
Dusting Powder (DP)					
Biocidal product					
3.2. Mixtures				Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Chemical Name	CAS-No.	EC – Number	Conc. % by weight	Classification	Warning Symbols
Carbaryl 1-naphthyl methylcarbamate <small>(Hazard classification of this material is based on the worst possible case)</small>	63-25-2	200-555-0	1.5 %	Acute Tox. 4: H302. Acute Tox. 4 (Inhalation): H332. Carc. Cat. 2: H351. Aquatic Acute 1, H400. Aquatic Chronic 1, H410.	
Deltamethrin [(S)-Cyano-(3-phenoxyphenyl)-methyl] (1R,3R)-3-(2,2-dibromoethenyl)-2,2-dimethyl-cyclopropane-1-carboxylate <small>(Hazard classification of this material is based on the worst possible case)</small>	52918-63-5	258-256-6	0.075 %	Acute Tox. 3: H301. Acute Tox. 3: H331. Aquatic Acute 1, H400. Aquatic Chronic 1, H410.	
Other ingredients (non-hazardous) to 100%		Balance		100 %	
Further information					
Carbaryl	63-25-2	M-Factor: 100 (acute); 100 (chronic)			
Deltamethrin	52918-63-5	M-Factor: 1,000,000			
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	Have the product container, label or Safety Data Sheet with you when calling a poison control centre or physician, or going for treatment.
First-aid measures after inhalation	Move the victim to fresh air and keep at rest. Call a physician or poison control centre immediately.
First-aid measures after skin contact	Immediately wash with plenty of soap and water for at least 15 minutes. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. If symptoms persist, call a physician.
First-aid measures after eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. Apply soothing eye drops, if needed anaesthetic eye drops. Get medical attention if irritation develops and persists.
First-aid measures after ingestion	Rinse out mouth and give water in small sips to drink. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.
4.2. Most important symptoms and effects, both acute and delayed	
	Temporary blurred vision due to contraction of the pupils (miosis) following contact with the eyes.
4.3. Indication of any immediate medical attention and special treatment needed	
	This product is a cholinesterase inhibitor carbamate.
	The product inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves.
	Do not use oximes such as 2-PAM unless organophosphate intoxication is suspected. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 24-48 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically. Contraindications: derivatives of morphine.
	The following antidote is generally accepted: atropine.

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SECTION 5: Firefighting measures	
5.1. Extinguishing media	
5.1.1. Suitable	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
5.1.2. Unsuitable	Water jet.
5.2. Special hazards arising from the substance or mixture	
	Flammable liquid and vapour. Toxic fumes may be released.
5.3. Advice for firefighters	
	Special protective equipment for fire-fighters In the event of fire and/or explosion do not breathe fumes. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.
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	Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
	Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	Handle and open container in a manner as to prevent spillage. Use only in area provided with appropriate exhaust ventilation. Avoid dust formation.
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	
Technical measures	Ground/bond container and receiving equipment.
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 <40°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
Carbaryl	63-25-2	5 mg/m3	TWA	OSHA Z1A
Deltamethrin	52918-63-5	0.02 mg/m3	TWA	OHS
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.				

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Appropriate engineering controls:	In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.
Hand protection:	Chemical resistant nitrile rubber gloves.
Eye protection:	Tightly fitting safety goggles.
Skin and body protection:	Wear long-sleeved shirt and long pants and shoes plus socks.
Respiratory protection:	When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.
	
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

1. Physical state	Powder
2. Colour	White to off white
3. Odour	Slight odour
4. Odour threshold	No data available
5. Melting point / Freezing point	No data available
6. Boiling point or initial boiling point and boiling range	No data available
7. Flammability	Product is not flammable
8. Lower and upper explosion limit	Product does not present an explosion hazard
9. Flash point	> 100 °C
10. Auto ignition temperature	No data available
11. Decomposition temperature	No data available
12. pH	8.8 - 9.4 (23 °C)
13. Kinematic viscosity	No data available
14. Solubility in water	Miscible
15. Partition coefficient octanol / water (log value)	No data available
16. Vapour pressure	No data available
17. Density Solubility	No data available
18. Relative density	No data available
19. 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	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
10.5. Incompatible materials	Store only in the original container.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Final acute toxicity classification formulated Product	
LD50 oral rat	LD50 (rat) 26,666 mg/kg
LD50 dermal rat	LD50 (rat) N/A
LC50 inhalation rat (mg/l)	LC50 (Rat) 87 mg/l
Carbaryl	

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LD50 oral rat	LD50 (rat) 850 mg/kg
LD50 dermal rat	LD50 (rat) > 2,000 mg/kg
LC50 inhalation rat (mg/l)	LC50 (Rat) 206.1 mg/l
ATE CLP (vapours)	3.200 mg/l/4h
ATE CLP (dust, mist)	3.200 mg/l/4h
Skin corrosion/irritation	Not irritation (Rabbit)
Serious eye damage/irritation	Will irritate eyes.
Respiratory or skin sensitisation	Non-sensitizing. (guinea pig)
STOT-single exposure	This material has been classified as non-hazardous.
STOT-repeated exposure	Carbaryl caused reversible cholinesterase inhibition without long term effects in animal studies.
Aspiration hazard	Harmful if inhaled. Anti-cholinesterase effects. May cause decreased heart rate, low blood pressure, excessive production of bodily secretions, constriction of the airways, increase in the fluid pressure inside the eye and diarrhoea.
Assessment mutagenicity	Carbaryl was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.
Assessment carcinogenicity	Carbaryl caused at high dose levels an increased incidence of tumours in the following organ(s): Liver, Thyroid, Kidney, Cardio-vascular system. The mechanism that triggers tumours in rodents is not relevant for the low exposures encountered under normal use conditions. Listed as a category 3 carcinogen (possibly carcinogenic to humans) by Safe Work Australia. The United States Environmental Protection Agency has classified carbaryl as a Group D, not classifiable as to human carcinogenicity. The International Agency for Research on Cancer (IARC), has also listed it as not classifiable as to human carcinogenicity.
Assessment toxicity to reproduction	Carbaryl did not cause reproductive toxicity in a two-generation study in rats.
Assessment developmental toxicity	Carbaryl did not cause developmental toxicity in rats and rabbits.
Deltamethrin	
LD50 oral rat	LD50 (rat) > 2,000 mg/kg
LD50 dermal rat	LD50 (Rat) > 2,000 mg/kg
LC50 inhalation rat (mg/l)	LC50 (Rat) > 5 mg/l 4 hours
Skin corrosion/irritation	No skin irritation (Rabbit)
Serious eye damage/irritation	Minimally irritating (rabbit)
Respiratory or skin sensitisation	Non-sensitizing (guinea pig)
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Deltamethrin caused neurobehavioral effects and/or neuropathological changes in animal studies. The toxic effects of Deltamethrin are related to transient hyperactivity typical for pyrethroid neurotoxicity.
Aspiration hazard	Based on available information, aspiration hazard could not be determined.
Assessment mutagenicity	Deltamethrin was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.
Assessment carcinogenicity	Deltamethrin was not carcinogenic in lifetime feeding studies in rats and mice.
Assessment toxicity to reproduction	Deltamethrin did not cause reproductive toxicity in a two-generation study in rats.
Assessment developmental toxicity	Deltamethrin caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Deltamethrin are related to maternal toxicity.
Further information	Not applicable.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general: Very toxic to aquatic life with long lasting effects.

Carbaryl

LC50 fish 1	LC50 (Rainbow trout (<i>Oncorhynchus mykiss</i>)) 1.3 mg/l: 96 h
EC50 Daphnia 1	EC50 (<i>Daphnia magna</i> (Water flea)) 6 µg/l: 48 h
ErC50 (algae)	<i>Scenedesmus quadricauda</i> (Green algae) > 0.60 mg/l; Exposure time: 72 h
Bees LD50 (oral)	1 µg/bee.
Bees LC50 (contact)	1.54 - 26.5 µg/bee
Earthworm LC50 (14 days)	0.5 µg/cm ² - 8.3 µg/cm ²
Birds Oral LD50	Mallard ducks: > 5 000 mg/kg

Deltamethrin

LC50 fish	<i>Oncorhynchus mykiss</i> (rainbow trout), static test, 96 Hour, 175 mg/l, OECD Test Guideline 203 Material is highly toxic to aquatic organisms on an acute basis (LC50/EC50 between 0.1 and 1 mg/L in the most sensitive species tested).
EC50 Daphnia 1	<i>Daphnia magna</i> (Water flea), 48 Hour, 34.9 mg/l, OECD Test Guideline 202 or Equivalent

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ErC50 (algae)	Raphidocelis subcapitata (freshwater green algae), 72 h, 3.8 mg/l
Bees LD50 (oral)	0.079 µg
Bees LC50 (contact)	0.0051 µg
Earthworm LC50 (14 days)	LC50, Eisenia fetida (earthworms), 14 d, > 1290 mg/kg
Birds Oral LD50	Oral LD50, Colinus virginianus (Bobwhite quail), > 2000mg/kg bodyweight.
Birds LC50 (8-day diet)	Dietary LC50, Colinus virginianus (Bobwhite quail), 5620 mg/kg diet.
12.2. Persistence and degradability	
Carbaryl	
Persistence and degradability	Readily biodegradable.
Koc	624
Deltamethrin	
Persistence and degradability	Deltamethrin: Non-persistent. Does not readily hydrolyze at pH 7 and 8. Readily hydrolyzed at pH 9. Not readily biodegradable.
12.3. Bioaccumulative potential	
Carbaryl	
Log Pow	Bioconcentration factor (BCF) 44
Bioaccumulative potential	Does not bioaccumulate.
Deltamethrin	
Log Pow	The substance has a potential for bioconcentration.
12.4. Mobility in soil	
Carbaryl	
Ecology - soil	Slightly mobile in soils
Deltamethrin	
Ecology - soil	Immobile; Not expected to reach groundwater.
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











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.
Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
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				
3077	3077	3077	3077	3077
				
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S
Transport document description				
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CARBARYL AND DELTAMETHRIN), 9, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CARBARYL AND DELTAMETHRIN), 9, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CARBARYL AND DELTAMETHRIN), 9, III, ENVIRONMENTALLY HAZARDOUS	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CARBARYL AND DELTAMETHRIN), 9, III, ENVIRONMENTALLY HAZARDOUS	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CARBARYL AND DELTAMETHRIN) 9, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
9	9	9	9	9

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14.4. Packing group									
III		III		III		III		III	
14.5. Environmental hazards									
Dangerous for the environment : Yes		Dangerous for the environment : Yes Marine pollutant : Yes		Dangerous for the environment : Yes		Dangerous for the environment : Yes		Dangerous for the environment : Yes	

SECTION 15: Regulatory information

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

Registration No. L8769; N-AR0102; W130620

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.

Hazard statements:	Do not inhale dust. Do not use in presence of persons with known sensitivity to pyrethroids. In the case of signs of sensitivity, obtain medical advice. Wash with non- abrasive soap and water after use or accidental skin contact. Wash contaminated clothing daily. Do not eat, drink or smoke whilst applying. Prevent drift onto other plants, crops or areas not under treatment. Destroy empty container and do not re-use for any other purpose.
WHO-classification:	III (Slightly hazardous)
Classification according to GHS:	Category 5
IRAC Insecticide Group Code:	1A & 3A

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments

Full text of H- and EUH-statements:

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
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]:

Acute. tox. 5	H303	Calculation method.
Acute. Tox. 5	H333	Calculation method.
STOT Carc. 2	H351	Calculation method.
Aquatic Acute 1	H400	Calculation method.
Aquatic Chronic 1	H410	Calculation method.

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

Health - 1	Flammability - 1	Physical Hazard - 1	PPE - 1
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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.

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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

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End of Safety Data Sheet