

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

SDS Number: 000036
 Issue Date: 2026-01-01
 Print Date: 2026-02-10

Agro-Serve encourages you and expects you to read and understand the entire SDS as there is important information throughout the document. This SDS provides users with information relating to the protection of human health and safety at the workplace, protection of the environment and supports emergency response. Product users and applicators should primarily refer to the product label attached to or accompanying the product container.

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

1.1. Product identifier				
Product form		Mixtures		
Trade name		No Weed® Lawn RTU		
Registration Number		L6244 / N-AR0527 / W130282 / IP-PN4413		
SDS Number		000036		
1.2. Relevant identified uses of the substance or mixture and uses advised against				
1.2.1. Relevant identified uses				
Main use category		Selective Herbicide for Lawns		
Industrial/Professional use spec		Home and Garden.		
Use of the substance/mixture		Weed killer.		
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
Poisons Centre				
South Africa	Griffon Poisons Centre		082 446 8946	Dr Gerhard H Verdoorn
South Africa	Poisons Information Helpline		0861 555 777	
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.
	Skin irritation, Category 5: H313 May be harmful in contact with skin.
	Acute toxicity, Category 5: Inhalation: H335 May be harmful if inhaled.
	Short-term (acute) aquatic hazard, Category 3: H402 Harmful to aquatic life.
	Long-term (chronic) aquatic hazard, Category 3: H412 Harmful 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]	
	No Pictograms
Hazard pictograms	Not Applicable.
Hazardous components which must be listed on the label	• MCPA Potassium Salt; Dicamba APM salt
CLP Signal word	None
Hazard statements	H412: Harmful to aquatic life with long lasting effects.
Precautionary statements	
General Statements	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 Statements	P273: Avoid release to the environment.
Response Statements	
Storage Statements	
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	None known
Refer to section 11 for toxicological and section 12 for environmental information	

SECTION 3: Composition/information on ingredients

3.1. Substances

No Weed® Lawn RTU

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



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		Ready to Use (RTU)			
		Biocidal product			
3.2. Mixtures				According to (EC) 1907/2006 (REACH) amendment Reg. (EU) 2020/878	
Chemical Name	CAS-No.	EC – Number	Conc. % by weight	Classification	Warning Symbols
MCPA potassium salt 4-chloro-2-methylphenoxy)acetic acid potassium salt. (Hazard classification of this material is based on the worst possible case)	5221-16-9	226-015-4	0.3 %	Acute Tox. 4: H302. Acute Tox. 4: H312 Acute Tox. 4 (Inhalation): H332. Aquatic Acute 1: H400. Aquatic Chronic 1: H410.	 
Dicamba APM salt 3,6-dichloro-o-anisic acid (Hazard classification of this material is based on the worst possible case)	2300-66-5	2300-66-5	0.12 %	Eye Dam. 2: H319. Aquatic Chronic 3: H412.	
Potassium hydroxide (Hazard classification of this material is based on the worst possible case)	1310-58-3	215-181-3	< 0.20 %	Met. Corr. 1: H290. Acute Tox. 4: H302. Skin Corr. 1A: H314.	 
Other ingredients (non-hazardous) to 100%		Balance		100 %	
Further information					
MCPA potassium salt	5221-16-9	M-Factor: 10 (acute); 10 (chronic)			
Dicamba, APM salt	2300-66-5	M-Factor: 10 (acute); 10 (chronic)			
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 the emergency number, a poison control centre or physician, or going for treatment.
First-aid measures after inhalation	Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or Poison Control Centre immediately.
First-aid measures after skin contact	Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use
First-aid measures after eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.
First-aid measures after ingestion	If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.
4.2. Most important symptoms and effects, both acute and delayed	
No information available.	
4.3. Indication of any immediate medical attention and special treatment needed	
Maintain adequate ventilation and oxygenation of the patient. If breathing is difficult, oxygen should be administered by qualified personnel. Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.	

SECTION 5: Firefighting measures

5.1. Extinguishing media	
5.1.1. Suitable	Extinguishing media - small fires Use alcohol-resistant foam, dry chemical or carbon dioxide. Extinguishing media - large fires Use alcohol-resistant foam or water spray.
5.1.2. Unsuitable	Do not use a solid water stream as it may scatter and spread fire.
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: Carbon monoxide. Carbon dioxide.	
5.3. Advice for firefighters	
Special protective equipment for fire-fighters	
Wear full protective clothing and self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.	
5.3. Further information	
In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.	
5.4. Flash point	
Does not flash.	

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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.
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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".
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6.2. Environmental precautions

	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.
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6.3. Methods and material for containment and cleaning up

For containment	Collect spillage.
Methods for cleaning up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
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.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.
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 stability	Storage duration: 24 Months
Storage temperature	>0°C <40°C

7.3. Specific end use(s)

	Refer to the label and/or leaflet.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components	CAS-No.	Exposure limit(s)	Type of exposure limit	Source
MCPA	5221-16-9	0.1 mg/m ³	(SK-SEN)	OES

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.

8.2. Exposure controls

8.2.1. 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.
8.2.2.1. Hand protection:	Chemical resistant nitrile rubber gloves.
8.2.2.2. Eye protection	Safety glasses with side-shields (frame goggles) (e.g. EN 166)
8.2.2.3. Skin and body protection	Assess the exposure and select chemical resistant clothing based on the potential for contact and the permeation / penetration characteristics of the clothing material. Wash with soap and water after removing protective clothing. Decontaminate clothing before reuse, or use disposable equipment (suits, aprons, sleeves, boots, etc.) Wear as appropriate: impervious protective suit.
8.2.2.4. Respiratory protection	A combination gas, vapor and particulate respirator may be necessary until effective technical measures are installed. Protection provided by air-purifying respirators is limited. Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

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8.2.2.5. General protective measures	Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.		
8.2.3. Environmental exposure controls	Avoid release to the environment. For information regarding environmental exposure controls, see Section 6.		
8.3. Additional emergency measures			
Emergency measure	Emergency measure	Emergency measure	Emergency measure
	Emergency shower ISO 3864-1:2011, ISO 3864-4:2011		Eyewash stations ISO 3864-1:2011, ISO 3864-4:2011

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

1. Physical state	Liquid
2. Colour	Amber to light brown
3. Odour	Mild phenolic
4. Odour threshold	No data available
5. Melting point / Freezing point	No data available
6. Boiling point or initial boiling point and boiling range	> 100 °C
7. Flammability	No data available
8. Lower and upper explosion limit	No data available
9. Flash point	200 °C (Pensky Martins closed cup)
10. Auto ignition temperature	600 °C
11. Decomposition temperature	No data available
12. pH	10 – 10.5 at 1 % w/v
13. Kinematic viscosity	2.337 mm ² /sat40 °C
14. Solubility	Soluble in water
15. Partition coefficient octanol / water (log value)	MCPA: log Pow: 1.4 Dicamba: log Pow: 0.55
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	Extremes of temperature and direct sunlight.
10.5. Incompatible materials	Oxidizing agents, strong acids, strong bases.
10.6. Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:
Final acute toxicity classification formulated Product	
LD50 oral rat	LD50 (rat) 29,411 mg/kg
LD50 dermal rabbit	LD50 (rabbit) 370,370 mg/kg
LC50 inhalation rat (mg/l)	LC50 (Rat) 500 mg/l
Based on information for component(s):	
MCPA	
LD50 oral rat	LD50 male rat, > 1,017 mg/kg Estimated.
LD50 dermal rat	LD50 male and female rabbit, > 2,325 mg/kg Estimated.
LC50 inhalation rat (mg/l)	LC50 rat, > 3.16 mg/l , 4 h Estimated.
ATE CLP (vapours)	3.200 mg/l/4h
ATE CLP (dust, mist)	3.200 mg/l/4h
Skin corrosion/irritation	This product will irritate the skin and may be sensitising to sensitive individuals. Acute dermal LD50 > 1,000 mg/kg – MCPA.

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Serious eye damage/irritation	May cause moderate eye irritation. May cause corneal injury.
Respiratory or skin sensitisation	Non-sensitizing (Mouse). OECD Test Guideline 429, local lymph node assay (LLNA)
STOT-single exposure	Evaluation of available data suggests that this material is not an STOT-SE toxicant.
STOT-repeated exposure	For similar active ingredient(s). 2-methyl-4-chlorophenoxyacetic acid (MCPA). In animals, effects have been reported on the following organs: Liver. Kidney. Blood. Testes. For the minor component(s): In animals, effects have been reported on the following organs: Blood. Kidney. Liver. Spleen.
Aspiration hazard	Inhalation of mists or sprays may produce respiratory irritation.
Assessment mutagenicity	MCPA is reportedly weakly mutagenic to bone marrow and ovarian cells of hamsters, but negative results were reported for other mutagenic tests. It was negative in a bacterial test system (both with and without metabolic activation), negative in spot tests, and negative in host-mediated tests. It produced no detectable increase in chromosomal aberrations in house flies. Some irregularities occurred in gene transfer during cell division in brewer's yeast, although at levels which caused massive cell death. It appears that the compound poses little or no mutagenic risk.
Assessment carcinogenicity	All available evidence on MCPA indicates that the compound does not cause cancer. Forestry and agricultural workers occupationally exposed to MCPA in Sweden did not show increased cancer incidence
Assessment toxicity to reproduction	A two-generation rat study at doses of up to 15 mg/kg/day affected reproductive function. Even smaller amounts of the compound were toxic to the fetuses. Dogs receiving relatively small amounts of MCPA (8 and 16 mg/kg) for 13 weeks showed adverse sperm and testes changes. It is unlikely that humans will experience these effects under normal exposure conditions
Assessment developmental toxicity	MCPA is rapidly absorbed and eliminated from mammalian systems. Rats eliminated nearly all of a single oral dose within 24 hours, mostly through urine with little or no metabolism. In another rat study, three quarters of the dose was eliminated within 2 days. All was gone by 8 days. Humans excreted about half of a 5 mg dose in the urine within a few days. No residues were found after day 5. Cattle and sheep fed low to moderate doses of MCPA in the diet for 2 weeks showed no residues from levels less than about 18 mg/kg.
Dicamba APM	
LD50 oral rat	1039 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	4,46 mg/l/4h
ATE CLP (vapours)	Not classified
ATE CLP (dust, mist)	Not classified
Skin corrosion/irritation	Not irritant to skin (OECD Guideline n°404)
Serious eye damage/irritation	Not irritant to eyes (OECD Guideline n°405)
Respiratory or skin sensitisation	Not skin sensitizing (OECD Guideline n°406)
STOT-single exposure	
STOT-repeated exposure	Dicamba did not cause specific target organ toxicity in experimental animal studies.
Aspiration hazard	Not classified
Assessment mutagenicity	Dicamba was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.
Assessment carcinogenicity	Dicamba was not carcinogenic in lifetime feeding studies in rats and mice.
Assessment toxicity to reproduction	Dicamba did not cause reproductive toxicity in a two-generation study in rats.
Assessment developmental toxicity	Dicamba did not cause developmental toxicity in rats and rabbits.
Further information	Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours). Irritating to respiratory system.

SECTION 12: Ecological information

12.1. Toxicity

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

MCPA

LC50 fish 1	Rainbow trout (<i>Oncorhynchus mykiss</i>) 99.3 mg/l; Exposure time: 96 h
EC50 Daphnia 1	Water flea (<i>Daphnia magna</i>) 424 mg/l; Exposure time: 48 h
ErC50 (algae)	<i>Skeletonema costatum</i> (marine diatom) 60.7 mg/l; Exposure time: 72 h
Bees LD50 (oral)	> 200 ng/bee
Bees LC50 (contact)	> 109 ng/bee
Earthworm LC50 (14 days)	> 325 mg/kg soil
Birds Oral LD50	Bobwhite quail (<i>Colinus virginianus</i>): 377 mg/kg
Birds LC50 (14-day diet)	Bobwhite quail (<i>Colinus virginianus</i>): > 2250mg/kg bodyweight
Birds LD50 (14-day diet)	Bobwhite quail (<i>Colinus virginianus</i>): > 5620mg/kg diet

Dicamba

LC50 fish 1	Rainbow trout (<i>Oncorhynchus mykiss</i>) 135.4 mg/l; Exposure time: 96 h
EC50 Daphnia 1	Water flea (<i>Daphnia magna</i>) 110.7 mg/l; Exposure time: 48 h
ErC50 (algae)	<i>Skeletonema costatum</i> (marine diatom) 43.1 mg/l; Exposure time: 72 h

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Bees LD50 (oral)	> 215.8 ng/bee
Bees LC50 (contact)	> 200 ng/bee
Earthworm LC50 (14 days)	> 320 mg/kg soil
Birds Oral LD50	Bobwhite quail (Colinus virginianus): 377 mg/kg
Birds LC50 (14-day diet)	Bobwhite quail (Colinus virginianus): > 2000mg/kg bodyweight
Birds LD50 (14-day diet)	Bobwhite quail (Colinus virginianus): > 5000mg/kg diet
12.2. Persistence and degradability	
MCPA	
Persistence and degradability	Readily biodegradable. DT50 : 7-14d
Koc	50 - 60
Dicamba	
Persistence and degradability	Readily biodegradable. DT50 : 2.1-8d
Koc	5.1
12.3. Bioaccumulative potential	
MCPA	
Log Pow	0.59 25°C pH 9.0 (BCF) 1
Bioaccumulative potential	Does not bioaccumulate.
Dicamba	
Log Pow	3.2443 (BCF) 1
Bioaccumulative potential	Does not bioaccumulate.
12.4. Mobility in soil	
MCPA	
Mobility in soil	Mobile in soils
Log Koc1	10 - 157
Ecology - soil	MCPA and its formulations are rapidly degraded in soil and have low persistence. Half-life is 14 days to 1month.
Dicamba	
Mobility in soil	Very high mobility in soil
Log Koc1	242–2930, depending on soil.
Ecology - soil	Typical half-life in soil is 1 to 4 weeks. Dicamba breaks down slowly in sunlight. Soil microbes are primarily responsible for its breakdown. In aquatic environments, microbial degradation is the main route of degradation as dicamba is chemically stable in water. Photolysis may occur, but aquatic hydrolysis, volatilisation, absorption to sediments and bioconcentration are not expected to be significant. Dicamba has very high mobility in 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.
12.6. Endocrine disrupting properties	
	No additional information available.
12.7. Other adverse effects	
	No additional information available.

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				
3082	3082	3082	3082	3082
				
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				

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UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MCPA POTASSIUM SALT, DICAMBA APM), 9, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MCPA POTASSIUM SALT, DICAMBA APM), 9, III, MARINE POLLUTANT/ENVIRONM ENTALLY HAZARDOUS	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MCPA POTASSIUM SALT, DICAMBA APM), 9, III, ENVIRONMENTALLY HAZARDOUS	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MCPA POTASSIUM SALT, DICAMBA APM), 9, III, ENVIRONMENTALLY HAZARDOUS	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MCPA POTASSIUM SALT, DICAMBA APM) 9, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
9	9	9	9	9
				
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
Effective January 1, 2015, by Special Provision, UN3077 and UN3082 when packaged in inner packages of 5L / 5 KG or less are not subject to the dangerous goods regulations.				

SECTION 15: Regulatory information

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

Registration No. L6244 / N-AR0527 / W130282 / IP-PN4413

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.

Classification according to WHO: II (Moderately hazardous)

Classification according to GHS: Category Unclassified

HRAC Insecticide Group Code: 4

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:

H290	May be corrosive to metals
H302	Harmful if swallowed.
H312	Harmful in contact with skin
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful 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	H313	Calculation method.
Acute Tox. 5	H335	Calculation method.
Aquatic Acute 3	H402	Calculation method.
Aquatic Chronic 3	H412	Calculation method.

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

Health - 1	Flammability - 1	Physical Hazard - 0	PPE -
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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 - Agreement concerning the International Carriage of Dangerous Goods by Road; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO -

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International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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 and use 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 to enable the product to be used correctly 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.

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SDS EU (REACH Annex II) Update 1 January 2026

End of Safety Data Sheet