


Safety Data Sheet

PROZIMIDE 500 SC- Reg. No: L 9491 (Act No 36 of 1947)

EFFECTIVE DATE: 05/03/2013

REVISION DATE (VERSION): May2022 (2)

1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.	
Product name:	PROZIMIDE 500 SC
Other means of identification:	Propyzamide 500g/L SC
UN Number:	3082
Recommended use:	Herbicide
Restrictions on use:	Agriculture
Distributed by:	MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN Telephone: (011) 396 2233 Fax: (011) 396 4666 www.agritech.co.za
Emergency Number:	Emergency telephone numbers: 24 Hr Transport / Spill emergency no: Hazcall24 +27 86 044 4411 (Client: Villa Crop Protection) Griffon Poison Information Centre +27 82 446 8946 (Client: Villa Crop Protection) Poisoning Emergency telephone numbers: Griffon Poison Information Centre +27 82 446 8946 Poisons Information Centre +27 861 555 777
Chemical Name:	(4-chloro-2-methylphenoxy)acetic acid; 4-chloro-o-tolyloxyacetic acid
2) Classification of the substance / mixture:	
Classification of the product:	Carc.2, H351 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Full text of R-phrases; see section 15
Label elements:	Hazard statements: H412: harmful to aquatic life with long lasting effects. EUH401: To avoid risks to human health and the environment, comply with the instructions for use. Precautionary Statements (Disposal) P280 Wear protective gloves/protective clothing/eye protection/face protection. P273 Avoid release to the environment. P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P308+P313 IF exposed or concerned: Get medical advice/attention. P391 Collect spillage. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national regulations

				Hazard Symbol (s): 	
				Signal Word: WARNING	
Health effects: eyes:				May cause irritation	
Health effects: skin:				May cause irritation.	
Health effects: ingestion				May be harmful. Product is not likely to be hazardous when ingested.	
Health effects: inhalation				May be harmful.	
Health effects: Other					
3) COMPOSITION / INFORMATION ON INGREDIENTS:					
Mixture:					
Chemical name	Composition	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to 67/548/EEC
Propyzamide	50%	23950-58-5		Carc.2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	N; R50-53
Inerts					
Full text of R- and S-phrases: see section 15.					
4) First Aid Measures:					
Eye contact:				Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.	
Skin contact:				Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Do not rub skin. Seek medical assistance should irritation persist.	
Ingestion:				Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting unless told to so by poison control centre or doctor. A glass of water may be given to sip. For advice, contact the National Poisons Centre. Seek medical assistance immediately.	
Inhalation:				Remove patient to fresh air. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance.	
Most important symptoms and effects, acute and delayed:				Not known	
Indication of immediate medical attention and special treatment needed: Advice to physician				Treat symptomatically and supportively. Administer aminophylline (0.25 – 0.5 g) slowly, intravenously. Administer morphine in small dosages (5 –10 mg) slowly, intravenously to ally and promote deeper respiration. Children's dosage 0.1 – 0.2 mg/kg. Epinephrine, atrapine and expectorants are not generally helpful and may complicate treatment.	
5) Fire-Fighting Measures:					

<p>Suitable extinguishing media:</p> <p>Unsuitable extinguishing media:</p> <p>Special hazards arising from the substance or mixture:</p>	<p>Extinguish fire with foam, dry powder, carbon dioxide or water spray.</p> <p>Water jet, due to contamination risk.</p> <p>Not a fire or explosion hazard. Extinguish fire with foam, water spray, dry powder, carbon dioxide (CO₂). Fine dust dispersed in air (particularly in confined spaces) may ignite if exposed to high temperature ignition source.</p>
Fire-fighting:	<p>Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire.</p> <p>Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal.</p> <p>Generating poisonous and corrosive fumes. Keep upwind. Avoid inhaling hazardous vapours and fumes from burning materials. Remove container from fire area if possible and without risk. Water can be used to cool unaffected containers but must be contained for later disposal. (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated.</p> <p>Do not scatter the material. Water can be used to cool containers. Dispose of extinguishing agent and spillage in a safe way at a later stage.</p> <p>Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. Contain run-off water with, for example, temporary earth barriers.</p> <p>Generating poisonous and corrosive fumes</p>
Protective clothing:	Full protective clothing and self-contained breathing apparatus.
6) Accidental Release Measures:	
<p>Personal precautions:</p> <p>Environmental precautions:</p> <p>Cleaning procedure:</p>	<p>Wear appropriate safety clothing and eye/face protection. Do not breathe in spray or fumes.</p> <p>For personal protection see Section 8.</p> <p>Do not contaminate waterways, drains and groundwater. If contamination of waterways, drains, rivers or lakes is unavoidable, warn the local authorities (Police and Department of Water/Environmental affairs) immediately.</p> <p>Wear protective clothing. Clear area of unprotected personnel. Contain and absorb liquid spills with inert material and place in waste containers. Wash area with water containing soda or detergent and absorb with further inert material. If spill does enter waterways contact the local authority. Heavily contaminated soil layers should be removed and disposed of in an approved way. Spilled product cannot be re-used and must be disposed of by incineration or disposal in a chemical waste disposal facility. If containers cannot be recycled, they should be disposed of together with the waste chemical</p>

Disposal:	Waste Disposal: In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Container Disposal: Refer to the product label for instructions. If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product. DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE. Do not transport if this container is damaged or leaking.
7) Handling & Storage:	
Handling:	Avoid skin and eye contact and inhalation of spray mist. Keep away from heat and sources of ignition. Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Wash contaminated clothing before re-use. APPROVED HANDLER: This product must be under the control of an approved handler when applied in a wide dispersive manner; or used by a commercial contractor. BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants.
Storage:	Store in original container tightly closed and in a locked, dry, cool, well-ventilated area away from foodstuffs, fertilisers and seeds. Avoid extreme heat and cold. Keep away from children or uninformed persons.
8) Exposure Control / Personal Protection:	
It is essential to provide adequate ventilation. The measures appropriate for a particular work site depend on how this material is used and on the extent of exposure. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations. <u>PERSONAL PROTECTIVE EQUIPMENT:</u>	
Clothing:	Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance.
Gloves:	Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance
Eye protection:	The use of safety goggles with side shields is recommended.
Respiratory protection:	Wear respirator if ventilation is inadequate or exposure to high levels are likely
Emergency eye wash:	Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.
9) Physical & Chemical Properties:	

Waste Disposal:

In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal:

Refer to the product label for instructions.

If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product.

DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE.

Do not transport if this container is damaged or leaking.

7) Handling & Storage:

Handling:

Avoid skin and eye contact and inhalation of spray mist. Keep away from heat and sources of ignition. Ensure adequate ventilation.

Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Wash contaminated clothing before re-use.

APPROVED HANDLER: This product must be under the control of an approved handler when applied in a wide dispersive manner; or used by a commercial contractor. **BEWARE:** Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants.

Storage:

Store in original container tightly closed and in a locked, dry, cool, well-ventilated area away from foodstuffs, fertilisers and seeds. Avoid extreme heat and cold.

Keep away from children or uninformed persons.

8) Exposure Control / Personal Protection:

It is essential to provide adequate ventilation. The measures appropriate for a particular work site depend on how this material is used and on the extent of exposure. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.

PERSONAL PROTECTIVE EQUIPMENT:

Clothing:

Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance.

Gloves:

Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance

Eye protection:

The use of safety goggles with side shields is recommended.

Respiratory protection:

Wear respirator if ventilation is inadequate or exposure to high levels are likely

Emergency eye wash:

Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

9) Physical & Chemical Properties:

Form: Colour: Odour: Odour threshold: pH: Melting point / Freezing point Initial boiling point and boiling range Flash point: Evaporation rate: Flammability (solid, gas) Upper/ lower flammability or explosive limits: Vapour pressure: Vapour density: Relative density: Solubility(ies) Partition coefficient: n-octanol/water Auto-ignition temperature: Viscosity:	Liquid White Characteristic No data available ± 7.7 No data available No data available Does not flash N/A No data available No data available No data available No data available N/A Suspends in water . No data available 428 °C (propyzamide) No data available
10) Stability & Reactivity:	
Reactivity: Chemical stability: Hazardous decomposition product(s): Conditions to avoid: Incompatible materials:	No hazardous reactions if stored and handled as indicated / prescribed. No decomposition if stored (up to 2 years) and applied as directed. Store in original containers and keep tightly closed. Store between -5 °C and 35 °C. None under normal conditions. Products arising from combustion or thermal decomposition may be toxic, corrosive or flammable. None known. None known.
11) Toxicological Information:	
Acute: Oral LD50 : >5 000 mg/kg, rat. Dermal LD50 : >5 000 mg/kg Inhalation LC50 (4h): > 5.19 mg/L, mouse (Very low toxicity) Skin irritation :Non- irritant, rabbit. Eye irritation : Slight irritant, rabbit. Sensitization : May cause slight sensitization on skin contact, (guinea pig). Other : Repeated dose toxicity: No data available Mutagenicity: No data available Carcinogenicity: No data available Reproductive toxicity: No data available Teratogenicity: No data available	

12) Ecological Information:

Information below based on active ingredient: PROPYZAMIDE

Birds: LD₅₀ for Mallard duck and bobwhite quail) > 5620 mg/kg

Fish: LC₅₀ (96 h) for rainbow trout and Bluegill sunfish > 53.6 mg/L. Daphia LC₅₀ (48 h) > 99.20 mg/L

Algae: Pseudokirchneriella subcapitata (green algae), Growth rate inhibition, LD₅₀ (72 h): 10.4 mg/l

Worms: LD₅₀ (14 d): > 10,000 mg/kg

Environmental fate:

Persistence and degradation:

DT50 in soil (25 °C) c. 30 d. For further metabolism in soil, see refs. given under Animals. Duration of residual activity in soil, following an application rate of 1–4 kg/ha, is c. 2–6 months. Koc 800. Kd ranges from 0.04 (0.01% o.m., pH 6.6) to 72.2 (16.9% o.m., pH 6.8) (H. J. Pedersen et al., Pestic. Sci., 1995, 44, 131).

13) Disposal Considerations:

Waste Disposal: In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Refer to the product label for instructions. Triple rinse empty containers before disposal in the following manner: Invert the container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed to a drip. Thereafter, rinse the container three times with a volume of water equal to a third of that of the container volume. Add rinsing to the contents of the spray tank before destroying the container in the prescribed manner. Empty containers should not be burnt; puncture and flatten containers and dispose at a licensed landfill site according to local regulations. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Prevent contamination of water sources, food or feed by disposal. **DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE.** If recycling, replace cap and take containers to the designated recycling point. If containers cannot be recycled, they should be disposed of together with the waste chemical according to local regulations.

14) Transportation Information:

UN Number: 3082

Road Transport ADR/ RID:

Class: 9

Packaging group: III

Labelling no: N, Xn

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, ID, LIQUID.N.O.S. (PROPYZAMIDE)

Maritime Transport IMDG / IMO:

Class: 9

Packaging group: III

Labelling no: N, Xn

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, ID, LIQUID.N.O.S. (PROPYZAMIDE)

Air Transport IATA:

Class: 9

Packaging group: III

Labelling no: N, Xn

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, ID, LIQUID.N.O.S. (PROPYZAMIDE)

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC code): NA

15) Regulatory Information:

Contains : PROPYZAMIDE (ISO)

Symbols: Xi: Irritant

N: Environmentally hazardous substance

Risk – Phrase (s):

R36/37/38 - Irritating eyes, respiratory system and skin.

R40 - Limited evidence of a carcinogenic effect

- R43 - May cause sensitisation by skin contact.
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety – Phrase (s):

- S1/2 - Keep under lock and key and out of the reach of children.
- S7/9 - Keep container tightly closed and in a well-ventilated place.
- S13 - Keep away from food, drink and animal feeding stuffs.
- S20/21 - When using do not eat, drink or smoke.
- S24/25 - Avoid contact with skin and eyes.
- S28 - After contact with skin, wash immediately with plenty of water and non-abrasive soap.
- S35 - This material and its container must be disposed of in a safe way.
- S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.
- S46 - If swallowed, seek medical advice immediately and show this container.
- S57 - Use appropriate containment to avoid environmental contamination.
- S60 - This material and its container must be disposed of as hazardous waste.
- S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

Hazard -Phrase (s)

- H335 - May cause respiratory irritation.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long-lasting effects.

16.Other Information

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

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For detailed information on revisions, contact the Registration holder.