growing goodness



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Safety Data Sheet

SCORCHER - Reg. No: L 9085 (Act No 36 of 1947)
N-AR-1539

Date of issue: 16/07/2003

Date of issue: 27/06/2019

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1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.				
Product name:	SCORCHER			
Other means of identification:	Paraquat 200 SL			
UN number:	2922			
Recommended use:	Herbicide			
Restrictions on use:	For use as an agricultural remedy only.			
Distributed by:	MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN TEL 011 8228509 FAX 0866901386 MOBILE: 0834006056 www.agritech.co.za			
Emergency Number:	POISON CENTRE (UNITAS HOSPITAL) 012 664 1100 WESTERN CAPE POISONS TELEPHONE SERVICE 0861 555 777 RAPID SPILL RESPONSE 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946			
Chemical Name:	Paraquat dichloride: 200% containing Paraquat emetic (PP796): 0-1% and pyridine alkyl derivatives: 0-1%			
2) Classification of the substance / mixture:				
Classification of the product:	Corrosive to metals: Category 1: H290 Acute toxicity (Oral): Category 4: H302 Acute toxicity (Dermal): Category 3: H311 Skin irritation: Category 2: H315 Serious eye damage: Category 1: H318 Acute toxicity (Inhalation): Category 1: H330 STOT SE: Category 3: H335 STOT RE: Category 1: H372 Acute aquatic toxicity: Category 1: H400 Chronic aquatic toxicity: Category 1: H410 T+ N R21/22 R26 R36/37/38 R48/25 R50/53			

Label elements: Signal word: Danger H290 H302 H311 H315 H318 H330 H335 H372 H410 P102 P280 P304 + P340 P310 P390 P391 P501 For full text of symbols, R phrases and H statements refer to section 15. Will cause irritation. Health effects: eyes: Will cause irritation. Health effects: skin: Will cause irritation and is harmful. Health effects: ingestion Will cause irritation and is harmful. Health effects: inhalation

No data available

3) COMPOSITION / INFORMATION ON INGREDIENTS:

Mixture:

Health effects: Other

Chemical name	% Composition	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to 67/548/EEC
Paraquat dichloride	27.6	1910-42-5	217-615-7	Acute Tox.1; H330 Acute Tox.3; H311 Acute Tox.3; H301 STOT RE1; H372 Eye Irrit.2; H319 STOT RE3; H335 Skin Irrit.2; H315 Met. Corr.1; H290 Aquatic Acute1; H400 Aquatic Chronic1;	T+, N R24/25 R26 R36/37/38 R48/25 R50/53
Alkyl Aryl Sulphonate + Alkyl Phenol Ethoxylates	9.0	85117-50-6, 9016-45-9		Acute Tox.4; H302 Skin Irrit.2; H315 Eye Dam.1; H318	Xi, R38, R41
2-amino-6- methyl-4-propyl- 1,2,4- triazolo[1,5- a]pyrimidin- 5(4H)-one)	0.05	27277-00-5	248-383-5	Acute Tox. 3: H301	Т

Pyridine bases	0.1	68391-11-7	269-929-9	Muta. 1B: H340 Carc. 1B: H350	Danger	
Full text of R- and \$	•	ection 15.				
4) First Aid Measures: Eye contact:		Induce activate contact	Never give anything by mouth to an unconscious person. Induce vomiting. If available, administer adsorbent such as activated charcoal, bentonite or Fuller's earth. For advice, contact the National Poisons Centre. Seek medical assistance immediately.			
Skin contact:			and clo	Immediately remove contaminated clothing and flush body and clothes with large amounts of water. Wash contaminated clothing before re-use. Seek medical advice.		
Ingestion:			Induce activate contact	Never give anything by mouth to an unconscious person. Induce vomiting. If available, administer adsorbent such as activated charcoal, bentonite or Fuller's earth. For advice, contact the National Poisons Centre. Seek medical assistance immediately.		
Inhalation:			Lie dow or has s and see	Remove patient to fresh air. Loosen clothing around neck. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear, apply resuscitation and seek medical attention . Contact the Poison control center or doctor for further treatment advice.		
Most important sy delayed:	mptoms and eff	ects, acute and	No data	a available.		
Indication of immediate medical attention and special treatment needed: Advice to physician			and the control for adul 15 mL/k activate Mannito With the advised reviewer	Refer to guidelines given by the World Health Organization and the IPCS (http://www.inchem.org) or contact a poison control center. Administer Fuller's Earth (15% solution; 1 L for adults or 15 mL/kg body weight in children) or Bentonite (7%) or activated charcoal. Also administer a purgative such as Mannitol (20% solution). Do not use supplemental oxygen. With the possibility of late onset of corneal ulceration, it is advised that patients with Paraquat eye injuries be reviewed by an eye specialist the day following the first presentation		
5) Fire-Fighting M	easures:					
Suitable extinguis	hing media:		alcohol Large fi	dioxide, dry chemical resistant foam	powder, water spray or	
Unsuitable exting	uishing media:		Avoid th	ne use of a water jet.		
Special hazards a	pecial hazards arising from the substance or mixture:		that ma dense t These p	This product consists of combustible organic components that may burn and decompose during a fire and produce a dense black smoke with hazardous combustion products. These products are toxic and/or irritant. Exposure to decomposition products may be a health hazard		
Fire-fighting:			area an extingu Fight fir holder dister disfumes f contain can be contain	e spectators from surround evacuate downwind. Us ishing agent for the type or from maximum distance or monitor nozzles. Contain sposal. Avoid inhaling hazerom burning materials. Keer from fire area if possible used to cool unaffected could for later disposal. Do no ollution of waterways	e a recommended f surrounding fire. and use unmanned hose n fire control agents for ardous vapours and ep upwind. Remove and without risk. Water ontainers but must be	

Protective clothing: Full protective clothing and self-contained breathing apparatus 6) Accidental Release Measures: Avoid contact with skin and eyes. For personal protection Personal precautions: see Section 8. **Environmental precautions:** 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. Clear area of unprotected personnel .Wear protective gear: goggles. Self-contained respirator, full length Cleaning procedure: impervious clothing and chemical resistant, PVC or Nitrile rubber gloves. Prevent further leakage or spillage if it is safe to do so. Do not flush into surface water or sanitary sewer system. Contain spillage, then collect with a non-combustible absorbent material (such as sand, earth, diatomaceous earth, vermiculite) and shovel into a container for disposal according to local / national regulations. Disposal of the absorbed material depends on the extent of the spill. ·For up to 50L of product, bury in a secure landfill site. ·For greater than 50L seek advice from the manufacturer before attempting disposal. Contain in a secure location until the disposal method is established. Decontaminate the spill area with detergent and water and rinse with as small a volume of water as is practical. Rapid decontamination of paraquat is important as crystalline material from dried concentrate may become suspended in air, causing irritation and nose bleeds. Wear protective equipment in order to prevent skin and eye contamination and inhalation of mists and dust. If contamination of crops, sewers or waterways has occurred advise emergency services or State Department of Agriculture. Remove and wash all protective clothing and equipment. Change the contaminated clothing immediately and launder as soon as possible. Shower, using liberal quantities of soap and water upon completion of the cleaning up operations. 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 as this product will irritate. Thus Harmful if swallowed. Wash hands thoroughly with soap and water before eating and immediately after handling the product. Do not eat, drink, smoke or apply cosmetics when there is a possibility of exposure to the product. Wash goggles or face shield and contaminated clothing thoroughly after each day's use exposure to spray mist, wear a face mask or respirator covering the nose and mouth that is capable of filtering spray droplets. A high efficiency type particulate respirator is recommended. Obtain an emergency supply of Ipecac Syrup APF. Avoid contacting vegetation wet with spray, but if this is necessary, wear waterproof footwear, waterproof protective clothing and gloves.
Storage:	Store in original container tightly closed and in a locked, dry, cool, well-ventilated area away from foodstuffs, fertilisers and seeds.
	Keep away from children or uninformed persons.
8) Exposure Control / Personal Protection:	T
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:	Consult supplier to confirm that the equipment is suitable. Avoid contact with eyes, skin and clothing. When opening the container and preparing product for use wear elbowlength PVC gloves and face shield or goggles. Do not work in spray mist.
Gloves:	Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance
Eye protection:	The use of face shields or safety goggles with side shields is recommended.
Respiratory protection:	When there is a risk of exposure to spray mist wear a face mask or respirator covering nose and mouth and capable of filtering spray droplets. A high efficiency type particulate respirator is recommended.
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: Liquid

Colour: Dark green Odour: Characteristic

Odour threshold: No data available

4.0 - 5.0pH:

Melting point / Freezing point No data available Initial boiling point and boiling range No data available

Flash point: Does not flash

No data available **Evaporation rate:** Flammability (solid, gas) No data available

No data available Upper/ lower flammability or explosive limits:

Vapour pressure: No data available Vapour density: No data available Relative density: No data available

620 g/L Solubility(ies)

Partition coefficient: n-octanol/water No data available Auto-ignition temperature: No data available

No data available Viscosity:

10) Stability & Reactivity:

Reactivity: Not available.

Chemical stability: When stored appropriately this product should show no

significant degradation for 2 years from the date of

manufacture.

Combustion or thermal decomposition will evolve irritant Hazardous decomposition product(s):

and toxic vapors.

Conditions to avoid: No data available.

No data available. Incompatible materials:

11) Toxicological Information:

Acute:

Oral LD50 300-2000 mg/kg, rat. Dermal LD50 > 1500 mg/kg, rat. Inhalation LC50 (4h): > 0.0042 mg/L rat

Skin irritation : Moderate irritant, rabbit

Eye irritation : Mild irritant, rabbit.

Sensitisation : Did not cause sensitization on laboratory animals, guinea pig. Causes sensitization in mice.

Mutagenicity : No data available : No data available Carcinogenicity Reproductive toxicity : No data available Teratogenicity : No data available Repeated dose toxicity: No data available

STOT SE : May cause respiratory irritation.

STOT RE : Ocular effects (cataracts) have been reported following long term oral exposure of laboratory

animals

12) Ecological Information:

Information below based on active ingredient:

Bees: LD50 (72 h) (oral) 36 μg/bee; (contact) 150 μg/bee

Birds: Acute oral LD50 for bobwhite quail 175, mallard ducks 199 mg/kg. LC50 (5 d) for bobwhite quail 981, Japanese quail

970, mallard ducks 4048, ring-necked pheasants 1468 mg/kg.

Fish: LC₅₀ (96 h) for rainbow trout 26, mirror carp 135 mg/l

Algae: EC50 for Scenedesmus subspicatus 0.1 mg/l.

Worms: LC₅₀ >1380 mg/kg soil

Other aquatic species: Daphnia: EC₅₀ (48 h) 6.1 mg/l.

Persistence:

Paraquat is immobile in soil and will not leach. Paraquat is rapidly degraded by soil microorganisms (DT₅₀ of unadsorbed paraquat <1 w)

13) Disposal Considerations:

Waste Disposal: Where possible, recycling is preferable to disposal or incineration. If recycling is not practicable, dispose of 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. Do not dispose of waste into sewer. Wastes resulting from the use of this product may be disposed of on site or at an approved chemicals waste disposal facility.

Container Disposal : Refer to the product label for instructions. Empty the remaining contents and triple rinse containers DO NOT re-use containers. Empty containers must be taken for local recycling or waste disposal.

14) Transportation Information:

UN NUMBER: 3082

UN NUMBER: 2922 Road Transport ADR/ RID:

Class: 8

Danger label number: 8, 6.1 Packaging group: III

Shipping name: CORROSIVE LIQUID, TOXIC, N.O.S. (Paraguat dichloride)

Maritime Transport IMDG / IMO: Road Transport ADR/ RID:

Class: 8

Danger label number: 8, 6.1

Packaging group: III

Shipping name: CORROSIVE LIQUID, TOXIC, N.O.S. (Paraquat dichloride)

15) Regulatory Information:

Symbols: T+ - Very toxic

N - dangerous to the environment

Xi - Irritant

Risk - Phrase:

R21/22 - Harmful in contact with skin and if swallowed.

R26 - Very toxic by inhalation.

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

R41 - Risk of serious damage to eyes.

R48/25 - danger of serious damage to health by prolonged exposure if swallowed.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety - Phrase:

- S 2 Keep out of the reach of children.
- S13 Keep away from food, drink and animal feedstuffs.
- S20/21 When using do not eat, drink or smoke.
- S35 This material and its container must be disposed of in a safe way.
- S36/37 Wear suitable protective clothing and gloves.
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S57 Use appropriate container to avoid environmental contamination.

Hazard Statements

- H290 May be corrosive to metals
- H301 Toxic if swallowed
- H302 Harmful if swallowed
- H311 Toxic in contact with skin
- H315 Causes skin irritation
- H318 Causes serious eye damage
- H319- Causes serious eye irritation
- H330 Fatal if inhaled
- H335 May cause respiratory irritation
- H340 May cause genetic defects
- H350 May cause cancer
- H372 Causes damage to organs through prolonged or repeated exposure
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long-lasting effects

Precautionary Statements

P102 - Keep out of reach of children

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P304 + P340 - IF INHALED remove person to fresh air and keep comfortable for breathing.

P310 - Immediately call a POISON CENTER/doctor/...

P390 - Absorb spillage to prevent material damage

P391 - Collect spillage.

P501 - Dispose of contents/container in accordance with local/regional/national/international regulation

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.

It is the responsibility of persons in receipt of this SDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with this product. If the recipient subsequently produces formulation(s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this SDS to their own SDS.

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