

Safety Data Sheet

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

Date of issue: 16/07/2003

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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.

Health effects: eyes:

Will cause irritation.

Health effects: skin:

Will cause irritation.

Health effects: ingestion

Will cause irritation and is harmful.

Health effects: inhalation

Will cause irritation and is harmful.

Health effects: Other

No data available

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
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; H410	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	T

Pyridine bases	0.1	68391-11-7	269-929-9	Muta. 1B: H340 Carc. 1B: H350	Danger
Full text of R- and S-phrases: see section 15.					
4) First Aid Measures:					
Eye 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:	Immediately remove contaminated clothing and flush body and clothes with large amounts of water. Wash contaminated clothing before re-use. Seek medical advice.				
Ingestion:	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:	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 symptoms and effects, acute and delayed:	No data available.				
Indication of immediate medical attention and special treatment needed: Advice to physician	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 Measures:					
Suitable extinguishing media:	Small fires: Carbon dioxide, dry chemical powder, water spray or alcohol resistant foam Large fires: Alcohol-resistant foam or water spray				
Unsuitable extinguishing media:	Avoid the use of a water jet.				
Special hazards arising from the substance or mixture:	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:	Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Avoid inhaling hazardous vapours and fumes from burning materials. Keep upwind. 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. Do not scatter the material. Avoid pollution of waterways				

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 Dark green Characteristic No data available 4.0 – 5.0 No data available No data available Does not flash No data available No data available No data available No data available No data available 620 g/L No data available No data available No data available
10) Stability & Reactivity:	
Reactivity: Chemical stability: Hazardous decomposition product(s): Conditions to avoid: Incompatible materials:	Not available. 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 and toxic vapors. No data available. No data available.
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 Carcinogenicity : No data available 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. (Paraquat 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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