

WRESTLER 800 EC

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: WRESTLER 800 EC
Other identifier: Prosulfocarb 800 EC
Recommended use: Herbicide
Restrictions on use: Agriculture

Supplier: Villa Crop Protection (Pty) Ltd
Co. Reg. No.: 1992/002474/07
 PO Box 10413,
 Aston Manor, 1630, South Africa

Telephone: (011) 396 2233

Fax: (011) 396 4666

Website: www.villacrop.co.za

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



Signal word: Danger.

Hazard statements:

H303: May be harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H313: May be harmful in contact with skin.

H316: Causes mild skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H332: Harmful if inhaled.

H411: Toxic to aquatic life with long lasting effects.

Precautionary statements:

P261: Avoid breathing dust, fumes, mists, gas, vapours, or spray. (respiratory sensitization).

P264+P265: Wash hands thoroughly after handling. Do not touch eyes.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear impervious rubber gloves and boots, protective clothing, and chemical safety goggles.

P301+P316: IF SWALLOWED: Get emergency medical help immediately.

P301+P317: IF SWALLOWED: Get medical help.

P302+P317: IF ON SKIN: Get medical help.

P302+P352: IF ON SKIN: Wash with plenty of water and non-abrasive soap.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P354+P338: IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331: Do NOT induce vomiting.

P332+P317: If skin irritation occurs: get medical help.

P333+P317: If skin irritation or rash occurs: Get medical help.

P391: Collect spillage.

P405: Store locked up.

P501: Dispose of content/container to suitable landfill in accordance with local regulations.

Special labelling of certain mixtures: None known.

Other hazards: None known.

2. HAZARDS IDENTIFICATION

UN GHS, Regulation EC 1272/2008 [EU-GHS/CLP]
 EU & SANS 10234:2008

| Hazard classes | Hazard categories | H-statements |
|--------------------|-------------------|--------------|
| Health | | |
| Oral | Acute Tox. 5 | H303 |
| Aspiration Hazard | Asp. Tox. 1 | H304 |
| Dermal | Acute Tox. 5 | H313 |
| Skin Irritation | Skin Irrit. 3 | H316 |
| Skin Sensitizer | Skin Sens. 1 | H317 |
| Eye | Eye Dam. 1 | H318 |
| Inhalation | Acute Tox. 4 | H332 |
| Environment | | |
| Aquatic Chronic | Aquatic Chronic 2 | H411 |

The most important adverse effects:

Physiochemical effects:

None known

Human health effects:

May be fatal if swallowed and enters airways (Asp. Tox. 1).

May cause an allergic skin reaction (Skin Sens. 1).

Causes serious eye damage (Eye Dam. 1).

Harmful if inhaled (Acute Tox. 4).

Label elements:

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Toxicity:

Classification according to GHS: Category 4.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture.

Composition:

| Chemical Name | CAS | Conc. (m/v %) | Classification EC 1272/2008 |
|-----------------------------|------------|---------------|--|
| Prosulfocar b (98.4 % tech) | 52888-80-9 | 80 % | Acute Tox. 4 (H302) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411) |
| Emulsogen CAL/70 B | 26264-06-2 | <5 % | Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 4 (H413) |
| Emulsion IT | 68953-96-8 | <5 % | Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411) |
| Solvent naphtha | 64742-94-5 | <20 % | Asp. Tox. 1 (H304) |

4. FIRST AID MEASURES

Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. Immediately consult a doctor.

Inhalation: Remove person from contaminated area to fresh air and assist breathing as needed. **Seek medical attention if you feel unwell after inhalation.**

Skin: Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists.

Eyes: Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Seek medical attention.**

Ingestion: Seek medical attention or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

Anticipated acute effects: Harmful if inhaled.

Anticipated delayed effects: May cause an allergic skin reaction.

Most important symptoms/effects: No specific antidote is available if. Treat symptomatically and supportively. Do not induce vomiting. This product contains material that may cause severe pneumonitis if aspirated.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use carbon dioxide or dry powder for small fires and water fog or foam for large fires.

Unsuitable Extinguishing Media: High volume water jet. Use a water jet only to cool heated containers.

Specific hazards: Decomposes in fire and generates dense black smoke containing hazardous products of combustion. Exposure to these decomposition products may be a health hazard.

Special Fire Fighting Procedures: Remove spectators from surrounding area. Isolate the fire area and evacuate all personnel downwind of the fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Keep upwind. Avoid inhaling hazardous vapours and fumes from burning materials. Remove container from fire area if possible and without risk. Do not use high volume water jet, due to contamination risk. Do not scatter the burning material. Water can be used to cool unaffected containers but must be contained for later disposal. Contain fire control agents for later. Avoid pollution of waterways by run-off from the site.

Personal protective equipment: Wear NIOSH/MSHA approved self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes and skin. Do not breathe in spray mist or vapours. Ventilate area of spill or leak, especially in contained areas.

Protective equipment: Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.

Emergency procedures: Alert firefighting personnel, evacuate unprotected personnel and animals.

Environmental Precautions: Prevent spilled product from entering sewers, waterways, or ground water. This product is classified to be toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. Any spillages or uncontrolled discharges into watercourses should be reported immediately to the police and the Department of Water/Environmental Affairs.

Methods and Materials for Containment: Contain spilled product by diking area with sand or earth.

Methods and Materials for Clean-up: Cover contained spill with an inert absorbent material such as sand, vermiculite, earth, or other appropriate material. Vacuum, scoop, or sweep up material and place the material into a clean, dry, sealable container. Label containers with the contents and dispose of according to local regulations. Do not place spilled material back in original container. Do not re-use spilled material. Collect washings and add to the drums already collected. Do not flush spilled material or

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washings into drains or waterways. To decontaminate the spill area, tools, and equipment, wash with water and suitable detergent. See section 13 for disposal considerations.

7. HANDLING AND STORAGE

Handling:

Precautions for safe handling: Avoid contact with eyes and skin. Ensure adequate ventilation during handling and use. Do not handle broken packages without protective equipment. Immediately clean up spills that occur during handling. Keep containers closed when not in use. In the case of contact with the product refer to First Aid Measures – Section 4.

General occupational hygiene: Practice good hygiene when using this product. Wash hands before eating, drinking, chewing gum, smoking, using the toilet or applying cosmetics. Worker should shower at the end of each workday. Launder all clothing before it is re-used.

Storage:

Conditions for safe storage: Keep under lock and key and out of reach of unauthorised persons, children, and animals. Store in its original, labelled container, tightly closed, in an isolated, dry, cool, and well-ventilated area. Avoid excess heat. Not to be stored next to foodstuffs, feed, and water supplies. Avoid cross contamination with other pesticides and fertilisers.

Incompatible substances and mixtures: Refer to product label.

Packaging material: Fluorinated Plastic containers.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Permissible concentration:

No occupational exposure limits have been determined for the significant ingredients in this product.

Engineering Controls:

It is essential to provide adequate ventilation. The measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OELs or other specified exposure limits. Local exhaust ventilation is preferred. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.

Personal Protective Equipment:

Respiratory Protection: For most well-ventilated conditions, no respiratory protection should be needed. If used in a poorly ventilated area (airborne concentrations

exceed exposure limits), use a NIOSH approved air-purifying respirator.

Hand Protection: The use of chemically protective impervious rubber gloves is recommended to prevent against skin contact.

Eye Protection: The use of face shield/musk/chemical safety goggles is recommended to prevent against eye contact. Contact lenses are not protective eye devices.

Skin and Body Protection: Employee must wear appropriate protective impervious clothing e.g., coveralls, rubber boots, hat, and equipment to prevent repeated or prolonged skin contact with this product. Do not wear leather clothing.

Emergency eyewash: Where there is any possibility that an employee's eyes may be exposed to this product; the employer should provide an eyewash fountain or appropriate alternative within the immediate work area for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colourless to light brownish liquid.

Odour: Musty odour.

pH (1% aqueous dilution): 5.0 to 9.0.

Melting point: Not available.

Freezing Point: Not available.

Boiling Point: Not available.

Flash Point: Not available.

Flammability: Non-flammable.

Upper/lower explosion limits: Not available.

Vapour Pressure (mm Hg): Not available.

Relative Vapour Density: Not available.

Density/Relative density: 1.02 g/ml.

Solubility: Miscible.

n-octanol/water partition coefficient: Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Viscosity: Not available.

10. STABILITY AND REACTIVITY

Chemical Stability: The product is stable for two years at ambient temperature and pressure, under normal storage and handling conditions. Avoid storage under extreme temperatures and conditions. Store below 50°C, preferably below 30 °C, and not for prolonged periods in direct sunlight.

Reactivity: None known.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: None known.

Incompatible Materials: Incompatible with strong acid, alkaline and oxidising agents.

Hazardous Decomposition Products: Decomposes in fire and will generate toxic/irritant vapours.

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11. TOXICOLOGICAL INFORMATION

Calculated according to GHS.

Oral LD₅₀ (24 h) rats >2200 mg/kg.

Dermal LD₅₀ (24 h) rabbits >2500 mg/kg.

Inhalation LC₅₀ (4 h) rats >2.5 mg/ℓ.

Skin Irritation/Corrosion: Causes mild skin irritation.

Eye Damage/Irritation: Causes serious eye damage.

Skin Sensitization: May cause an allergic skin reaction.

Respiratory Sensitization: Not classified.

Reproductive cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific target organ toxicity – single exposure: Not classified.

Specific target organ toxicity – repeated exposure: Not classified.

Aspiration hazard: May be fatal if swallowed and enters airways.

Chronic Effects: None known.

POTENTIAL ADVERSE EFFECTS: None known.

12. ECOLOGICAL INFORMATION

This product is toxic to aquatic organisms, may cause long-term effects in the aquatic environment.

ECOTOXICITY DATA: Active ingredient.

Fish:

| | | |
|-------------------------|------------------|----------|
| LC ₅₀ (96 h) | Bluegill sunfish | 4.2 mg/ℓ |
| | Rainbow trout | 1.7 mg/ℓ |

Daphnia:

| | | |
|-------------------------|--|----------|
| LC ₅₀ (48 h) | | 0.5 mg/ℓ |
|-------------------------|--|----------|

Algae:

| | | |
|-------------------------|--------------------------------|-----------|
| EC ₅₀ (96 h) | <i>Scenedesmus subspicatus</i> | 0.11 mg/ℓ |
|-------------------------|--------------------------------|-----------|

Birds:

| | | |
|-----------------------------|----------------|-------------------|
| Acute oral LD ₅₀ | Bobwhite quail | >2250 mg/kg. |
| Dietary LC ₅₀ | Mallard ducks | >1960 mg/kg diet. |

Bees:

| | | |
|---------------------------------------|-----------|-------------|
| (LD ₅₀ , µg/bee) (48 h) | (oral) | 213 µg/bee. |
| | (contact) | >79 µg/bee. |

Worms:

| | | |
|------------------|------------|-----------------|
| LC ₅₀ | Earthworms | 144 mg/kg soil. |
|------------------|------------|-----------------|

Plants: In plants, hydrolytic decomposition occurs, and the thiol group is split off, giving mercaptan, dipropylamine and CO₂.

ENVIRONMENTAL EFFECTS:

Persistence and degradability: In soil, undergoes microbial decomposition, DT₅₀ 12–49 d (21.5 °C, aerobic).

Bio-accumulative Potential: Not determined.

Mobility in soil: Not determined.

Other adverse effects: Not determined.

13. DISPOSAL CONSIDERATIONS

Waste: Open dumping or burning of this pesticide is prohibited. Waste resulting from the use of this product cannot be reused or re-processed. Never pour untreated waste or surplus product into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Comply with local legislation applying to waste disposal. The product may be taken to a registered waste disposal site or incineration plant.

Container: TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS: Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn, or donate the container to any other parties that may use it as a container for food or beverages.

14. TRANSPORT INFORMATION

UN Number: 3082

Road Transport ADR/IRD:

Class: 9

Packaging group: III

UN Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (**Prosulfocarb 800 g/ℓ**)

Maritime Transport IMDG/IMO:

Class: 9

Packaging group: III

UN Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (**Prosulfocarb 800 g/ℓ**)

Marine Pollutant (Y/N): YES

Air transport IATA/ICAO:

Class: 9

Packaging group: III

UN Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (**Prosulfocarb 800 g/ℓ**)

Special/Environmental Precautions: Wedge drums/containers tightly to avoid movement.

Transport in bulk (according to MARPOL 73/78, Annex II and the IBC code): Not available.

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15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation for the mixture:

OHSA 1993 Regulations for Hazardous Chemical Substances.

Relevant information regarding restrictions: None.

EU regulation: Regulation EC1272/2008 (EU-GHS/CLP)

Other national regulations: None.

Chemical Safety Assessment carried out? No

For detailed information on revisions, contact the Registration holder.

16. OTHER INFORMATION

Packaging: Packed in 1, 5, 10, 15, 20, 25, 50 litres fluorinated plastic containers, labelled according to South African regulations and guidelines.

Additional H statements (formulants):

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H413: May cause long lasting harmful effects to aquatic life.

IATA: International Air Transport Association.

IBC: International Bulk Chemical.

ICAO: International Civil Aviation Organization.

IMDG: International Maritime Dangerous Goods

IMO: International Maritime Organization.

LD₅₀ value: The median lethal dose or the amount of a toxic agent that is sufficient to kill 50 percent of a population within a certain period of time.

TWA: Time-weighted average – The average exposure over a specified period, usually a nominal eight hours.

ST/STEL: Short-term exposure limits.

Disclaimer: The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed. All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.

END OF DOCUMENT

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