

EnviroGUARD

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: EnviroGUARD
Pesticide Classification: Herbicide
UN No.: 3082

Supplier

Enviro Bio-Chem (Pty) Ltd
Co. Reg. No.: 2013/194774/07
44 Kerk Street, Lichtenburg
North West, South Africa 2740

Registration Holder

Enviro Industries (Pty) Ltd t/a Enviro Weed Control Systems
Co. Reg. No.: 1999/006136/07
44 Kerk Street, Lichtenburg
North West, South Africa 2740

Telephone: +27 87 231 7261
Fax: 086 541 7948
Website: www.envirobiochem.co.za

24 Hr Emergency Number: Bateleur: +27 83 123 3911

In case of Poisoning:

Poison Information Centre: +27 82 446 8946
Tygerberg Hospital: (+27 21) 931 6129
Poison Emergency Enquiries: (+27 21) 689 5227

Common Name: Tetrapion 745 g/l SL
Chemical Name: 2,2,3,3- tetrafluoropropionic acid (flupropanate)
Empirical Formula: -
CAS No.: -
RSA Reg. No.: L7213 Act/Wet No. 36 of/van 1947

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>Concentration</u>
Tetrapion	745 g/l

3. HAZARD IDENTIFICATION

Hazard Class: WHO Class III -Slightly hazardous.

Main Hazard: Unlikely to cause harmful effects under normal conditions of handling and use.

Flammability: Non-flammable and non-volatile.

Chemical Hazard: Combustion and thermal decomposition will produce toxic and irritant vapours.

Biological Hazard: Highly toxic to algae. Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST AID MEASURES AND PRECAUTIONS

If poisoning is suspected, do not wait for symptoms to develop. Contact a physician, the nearest hospital, or the nearest Poison Control Centre.

Symptoms of Human Poisoning: No symptoms known.

First Aid Measures:

Skin Contact: Wash skin immediately for at least 15 minutes with fresh running water and soap, including hair and under fingernails. Remove contaminated clothing and wash before re-use. Treat symptomatically.

Eye Contact: Flush immediately with clear clean running water for about 15 minutes. Hold eyelids apart to rinse the entire surface of the eye and lids. If eye symptoms (redness, irritation or pain) persist refer patient to ophthalmologist for examination of eye.

Ingestion: Seek medical advice immediately. Rinse mouth thoroughly. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Inhalation: Move victim from contaminated area to fresh air. Apply oxygen or artificial respiration if necessary. Consult a physician after significant exposure.

Advise to Physician: Symptomatic treatment and supportive therapy as indicated. If gastric lavage is considered necessary, prevent aspiration of gastric material.

Antidote: There is no specific antidote.

5. FIRE FIGHTING MEASURES

Flammability: Non-flammable and non-volatile.

Extinguishing Media: Keep fire exposed containers cool by spraying with water. For small fires use foam, carbon dioxide, dry powder extinguishant. For large fires use foam or water fog. Avoid the use of a water jet. Contain run-off water with, for example, temporary earth barriers.

Firefighting: Wear a self-contained breathing apparatus and suitable protective clothing must be worn in fire conditions.

Special Hazards: Combustion and thermal decomposition will produce toxic and irritant vapours.

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Personal Precautions: Review Section 5 and Section 7 before proceeding with clean-up. Use appropriate personal protective equipment during clean-up.

Environmental Precautions: Avoid spray drift onto non-target crops, grazing, rivers, dams and any area not under treatment. Do not apply near desirable plants or trees, e.g. windbreaks and ornamental trees alongside roads, or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots. Do not use on soil in which susceptible crops or any susceptible plants are to be grown in the foreseeable future.

Spills: Absorb spillage with sand, earth or any absorbent material. Transfer the contaminated absorbent to a container for disposal. Wash the spilled area with water. Prevent contaminated wash water from entering surface water or drains. Prevent material from entering sewers, waterways or low areas.

7. HANDLING AND STORAGE REQUIREMENTS

Handling: Harmful if swallowed. Avoid contact with skin, eyes and clothing. Do not leave the product in the applicator for long periods. Use with adequate ventilation. Wash hands before eating, drinking, chewing gum, smoking or using the toilet. Remove clothing immediately if the herbicide gets inside, then wash skin thoroughly using non-abrasive soap and put on clean clothing. Do not apply directly to areas where surface water is present or to intertidal areas below the mean high-water mark. Water used to clean equipment must be disposed of correctly to avoid contamination.

Storage: Store in sealed original containers, in a well-aired and dry storehouse. Keep away from direct sunlight, open flames, food, seed, animals, children and uninformed persons. Store at temperature not exceeding 40 °C. Do not leave in applicators for extended periods.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Acceptable Daily Intake (ADI): No data available.

Engineering Controls: Ensure adequate ventilation, especially in confined areas. Use only outdoors in a well-ventilated area. Keep container tightly closed. Comply with occupational safety, environmental, fire and other applicable regulations.

Personal Protective Equipment:

Clothing: Long-sleeved shirt, long pants and shoes plus socks. Employee must wear appropriate protective clothing and equipment to prevent prolonged skin contact with this product. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not re-use them.

Gloves: Chemical resistant gloves must be worn.

Eye Protection: Wear eye protection.

Respirator: Avoid inhaling fumes or spray drift. During periods of abnormal exposure to heavy dust or mist, use a NIOSH mist respirator. Limitations of respirator use specified by the approving agency and the manufacturer must be observed.

Other Protection: Do not eat, drink or smoke while handling this product. Prevent contamination of food, feeds, drinking water and eating utensils. After using this product wash hands and face before eating. Wash accurately (preferably a shower) after work shift. Wash hands during breaks and at the end of the work with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colorless liquid.

Vapor Pressure: < 40 mPa (138 °C)

Flammability: Non-flammable and non-volatile.

Solubility in Water (25 °C): Soluble in water.

pH Value: 4.5 – 5.5

10. STABILITY AND REACTIVITY

Stability: Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures. Use the spray mixture without delay and do not allow standing for prolonged periods.

Conditions to Avoid: No data available.

Incompatible Materials: No data available.

Decomposition Products: Combustion and thermal decomposition will produce toxic and irritant vapours.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rats): >13 000 mg/kg. Low oral toxicity.

Acute Dermal LD₅₀ (rabbits): > 2 000 mg/kg. Slightly toxic.

Acute Inhalation LC₅₀ (rat, 4 hr): No data available.

Skin and Eye Irritation (rabbit): Slightly irritation to skin and eyes.

Skin Sensitization (guinea pig): The compound is not a skin sensitizer.

12. ECOLOGICAL INFORMATION

This product is unlikely to be hazardous to aquatic life and environment when used as directed on the label.

13. DISPOSAL CONSIDERATION

Pesticide Disposal: Do not contaminate water supply, food or feed by storage or disposal. Wastes resulting from the use of this product must be disposed of at an approved waste disposal facility. Treatment, storage, transportation and disposal must be in accordance with applicable regulations. Do not flush to surface water or sanitary sewer system.

Container Disposal: Invert empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in this prescribed manner. Destroy empty container by perforation and flattening and never use for any other purpose. Containers must be disposed of at an approved waste disposal facility.

14. TRANSPORT INFORMATION

UN No.: 3082

Hazard Class: 9

Packing Group: III

Proper Shipping Name: Environmental Hazardous Substance; Liquid; N.O.S (contains Tetrapion)

15. REGULATORY INFORMATION

Risk Phrases: None

Safety Phrases: **S1/2-** Keep locked up and out of reach of children.

S13- Keep away from food, drink and animal feeding stuff.

S28- After contact with the skin wash immediately with water and soap.

S46- If swallowed, seek medical advice and show the label or container.

National Legislation: This product is registered under Act 36 of 1947 of the Republic of South Africa. It is a violation of South African law to use this product in any manner inconsistent with its approved labelling. Read and follow all label directions.

16. OTHER INFORMATION

Note: Read and understand all the information on the product label before using the product.

General: Enviroguard is a soluble concentrate grass herbicide with long residual action for the control of annual and perennial grasses, as listed, in industrial areas, along rail tracks and on road shoulders, as well as for the control of Nasellatussock (*Stipa Trichotoma*).

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.

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