

EmGee

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: EmGee
Pesticide Classification: Herbicide
UN No.: 3077

Supplier

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

Registration Holder

Erintrade CC t/a RT Chemicals
Co. Reg. No.: CK2001/036403/23
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: Chlorimuron-ethyl 250 g/kg WG
Chemical Name: Ethyl 2-[[[(4-chloro-6-methoxypyrimidin-2-yl) amino] carbonyl] amino] sulfonyl] benzoate
Empirical Formula: C₁₃H₁₁ClN₄O₆S
CAS No.: 90982-32-425
RSA Reg. No.: L8029 Act/Wet No. 36 of/van 1947

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>Concentration</u>
Chlorimuron-ethyl	25%
Inert Ingredients	75%

3. HAZARD IDENTIFICATION

Hazard Class: WHO Class III -Slightly hazardous.

Main Hazard: May irritate eyes, nose, throat and skin. May be harmful if absorbed through skin.

Flammability: Non-flammable. Under severe dusting conditions, this material may form explosive mixtures in air.

Chemical Hazard: During a fire this product may release smoke and hazardous decomposition products.

Biological Hazard: Very toxic to algae.

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 signs and symptoms of poisoning are known or expected in humans.

First Aid Measures:

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or physician for treatment advice. Have a product container or label with you when seeking medical advice.

Eye Contact: Hold open eye and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center physician for treatment advice.

Ingestion: Wash out mouth with water. Seek medical attention.

Inhalation: Move victim from contaminated area to fresh air. Avoid inhalation of vapor or spray mist. Seek medical attention.

Advice to Physician: Treat symptomatically.

Antidote: There is no specific antidote for poisoning with this product.

5. FIRE FIGHTING MEASURES

Flammability: Non-flammable. Like most organic powders or crystals, under severe dusting conditions, this material may form explosive mixtures in air.

Extinguishing Agents: Water spray, dry chemical.

Firefighting: Wear self-contained breathing apparatus. Wear full protective equipment. Use water spray. Runoff from fire control may be a pollution hazard. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contamination.

Special Hazards: During a fire this product may release smoke and hazardous decomposition products.

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

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

Environmental Precautions: Prevent material from entering sewers, waterways or low areas. Do not apply directly to water, areas where surface water is present or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment wash waters.

Spills: If spill area is on ground near valuable plants or trees remove top 5 cm of soil after initial clean-up. Wear appropriate protective equipment. Avoid excessive dust formation. Dispose of product waste according to Section 13 of this document.

7. HANDLING AND STORAGE REQUIREMENTS

Handling: Avoid breathing vapors or mist. Avoid breathing dust. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Wash clothing after use. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

Storage: Store in a well-ventilated, cool and dry place. Keep container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Store product in original container only. Do not contaminate water, other pesticides, fertilizers, food or feed in storage.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Acceptable Daily Intake (ADI): No data available.

Engineering Controls: Use outdoors in a well-ventilated area. Comply with occupational safety, environmental, fire, and other applicable regulations. Wear suitable personal protective equipment.

Personal Protective Equipment:

Clothing: Long-sleeved shirt, long pants, shoes plus socks, protective waterproof (impermeable) gloves. Employee must wear appropriate protective clothing and equipment to prevent prolonged skin contact with this product.

Gloves: Chemical Resistant Gloves Category A (butyl rubber, natural rubber, neoprene rubber or nitrile rubber).

Eye Protection: Wear eye protection.

Respiratory: Use an approved dust mask.

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. Take extreme care to avoid drift. 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: Ivory colour.

Odour: None

Form: Solid, granules.

Solubility in Water: Dispersible

10. STABILITY AND REACTIVITY

Stability: Stable at normal temperatures and storage conditions.

Conditions to Avoid: Avoid the formation of product dust clouds.

Incompatible Materials: None to specifically mention.

Decomposition Products: None to specifically mention.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): >5 000 mg/kg. Very low toxicity.

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

Acute Inhalation LC₅₀ (rat, 4 hr): ≥5 mg/l air.

Skin Irritation (rabbit): Product was not a skin irritant to rabbits.

Eye Irritation (rabbits): A mild irritant to eyes. With eyes normal within 3 days.

Sensitization (guinea pig): Not a skin sensitizer.

Chronic Dietary Study: Based on data from animal tests, prolonged ingestion of high doses of chlorimuron-ethyl may include abnormal liver function as detected by laboratory tests or anemia. Significant skin permeation, and systemic toxicity, after contact appears unlikely. Otherwise no acceptable information is available to confidently predict the effects of excessive human exposure to this compound. Individuals with pre-existing diseases of the liver may have increased susceptibility to the toxicity of excessive exposures.

Carcinogenicity: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Mutagenicity: This compound was negative in the following genotoxicity tests: Ames bacterial assay; in vitro mutagenicity test in Chinese hamster ovary cells; in vitro cytogenetic assay (rat bone marrow cells) and in vitro unscheduled DNA synthesis (rat liver cells).

Reproductive Hazard: No reproduction toxicity was observed.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity Fish LC₅₀ (96 hr): >1 000 mg/l (rainbow trout). Chlorimuron-ethyl has low toxicity.

Aquatic Toxicity Daphnia EC₅₀ (48 hr): 0.77 mg/l.

Aquatic Toxicity Algae EC₅₀ (5 days): Very toxic to algae.

Avian Toxicity LD₅₀ (9 days): >5 620 ppm (bobwhite quail)

Bee Toxicity LD₅₀: No data available.

13. DISPOSAL CONSIDERATION

Pesticide Disposal: Dispose of waste product as hazardous waste via a licensed disposal contractor to an approved landfill. Do not discharge into drains or sewers. Do not contaminate crops, grazing, rivers or dams with chemical or used container. Waste resulting from the use of this product that cannot be re-used or reprocessed should be disposed of in a landfill approved for pesticide disposal in accordance with applicable local procedures. Comply with any local legislation applying to waste disposal.

Package Product Wastes:

Plastic Containers: Triple rinse (or equivalent). Then offer for recycling, reconditioning or puncture and dispose of via a licensed disposal contractor to an approved landfill.

Fiber Sacks: Completely empty fiber sack by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing or application equipment. Then dispose of sack in a sanitary landfill or by incineration.

Fiber Drums with Liners: Completely empty liners by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration. If drum is contaminated and cannot be re-used, dispose of in the same manner.

Bags Containing Water Soluble Packets: Do not re-use the outer box or the resealable plastic bag. When all water-soluble packets are used, the outer packaging should be clean and may be disposed of in a sanitary landfill or by incineration. If the resealable plastic bag contacts the formulated product in any way, the bag must be triple rinsed with clean water. Add the rinsate to the spray tank and dispose of the outer wrap as described above.

Metal Containers (non-aerosol): Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill.

Paper and Plastic Bags: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration.

14. TRANSPORT INFORMATION

UN No.: 3077

Hazard Class: 9

Packing Group: III

Proper Shipping Name: Environmentally Hazardous; Solid; N.O.S. (contains Chlorimuron-ethyl).

15. REGULATORY INFORMATION

Risk Phrases: None

Safety Phrases: None

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.

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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