

Flair

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: Flair
Pesticide Classification: Insecticide (acaricide)
UN No.: 1992

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: Bromopropylate 500g/l EC
Chemical Name: 1-methylethyl-4-bromo-a- (4- bromophenyl)-a- hydroxybenzeneacetate
Chemical Formula: C₁₇H₁₆Br₂O₃
CAS No.: 18181-80-1
RSA Reg. No.: L8196 Act 36 of 1947

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>Concentration</u>
Bromopropylate	≥500 g/l
Inert ingredients	≤500 g/l

3. HAZARD IDENTIFICATION

Hazard Class: WHO Class III -Slightly hazardous.

Main Hazard: Harmful when ingested.

Flammability: Flammable

Chemical Hazard: None to specifically mention.

Biological Hazard: High toxic to aquatic organisms.

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: Remove contaminated clothing and wash before re-use. Wash affected skin areas with fresh running water and soap. Treat symptomatically. Seek medical attention if symptoms persist.

Eye Contact: Hold eyes open and flush immediately with clear, clean running water for at least 15 minutes. If eye symptoms (redness, irritation or pain) persist refer patient to ophthalmologist for examination of eyes.

Ingestion: If ingested, have patient drink 1-2 glasses of water or milk. Contact a physician or the Poison Control Centre immediately.

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: Flammable

Extinguishing Agents: Use dry chemical, foam or carbon dioxide.

Firefighting: Firefighters should wear safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

Special Hazards: None to specifically mention.

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Personal Precautions: Wear protective clothing. Avoid inhaling vapours or spray drift. If necessary, wear a self-contained breathing apparatus.

Environmental Precautions: Prevent spilled material from entering drains or watercourses. Contain spill and absorb with earth, sand, clay or another absorbent material.

Spills: Keep all bystanders away. Wear goggles, half face-piece respirator with combined dust and vapor cartridge, full length clothing and PVC gloves. Reposition any leaking containers so as to minimize further leakage. Dam and absorb spill with an absorbent material (e.g. sand or soil). Shovel the absorbed spill into drums. Waste must be transferred to a properly labelled deposit that will be closed and sealed until the proper disposal of the product waste can take place. Dispose of waste according to Section 13 of this document.

7. HANDLING AND STORAGE REQUIREMENTS

Handling: Avoid contact with skin, eyes and clothing. Keep away from direct sunlight, food, seed, animals, children and uniformed persons. Use with adequate ventilation. Wash hands before eating, drinking, chewing gum, smoking, or using the toilet. Remove clothing immediately if the product 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 at temperature not exceeding 30 °C. Store in original sealed containers, in a well-ventilated and dry storehouse. Keep away from direct sunlight, food, seed, animals, children and uniformed persons. Do not leave spray solution in spray tanks for long periods.

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: Cotton overalls buttoned to the neck and wrist, washable hat and half face respirator with dust and vapor cartridge must be worn. Employee must wear appropriate protective clothing and equipment to prevent prolonged skin contact with this product. Clothing soaked with product solution should be promptly removed and laundered before re-use.

Gloves: Elbow length PVC gloves must be worn.

Eye Protection: Wear eye protection. During mixing or pouring operations or other activities in which eye contact with undiluted product is likely to occur, splash goggles should be worn. 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.

Respiratory: A approved respirator must be worn.

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 a work shift. Wash hands with soap and water during breaks and at the end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow to brown transparent liquid.

Density: 1.11 – 1.14 g/cm³

Water Solubility: Emulsifying in water.

Other Solubility: Soluble in organic solvents.

Acidity (calculated as H₂SO₄): ≤0.5 %

Compatibility: Compatible with most common insecticides.

Shelf life: Stable at least two years.

10. STABILITY AND REACTIVITY

Stability: The product is stable when stored under normal storage conditions at normal temperatures.

Conditions to Avoid: Avoid fires and heat.

Incompatible Products: Strong acid and alkaline pesticides.

Decomposition Products: Toxic fumes may form.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): >5 000 mg/kg. Harmful when ingested.

Acute Dermal LD₅₀ (rat): >3 170 mg/kg.

Acute Inhalation LC₅₀ (rat, 4 hr): 2.4 mg/l air.

Skin and Eye Irritation (rabbit): Irritating to skin, but not to eyes.

Skin Sensitization (guinea pig): Not a skin sensitizer.

Chronic Dietary Study: No data available.

Carcinogenicity: The product has no carcinogenic effects.

Mutagenicity: Not known to be mutagenic.

Teratogenicity: The product has no teratogenic effects.

Reproductive Hazard: The product has no reproductive effects.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity Fish LC₅₀ (96 hr): 0.35 mg/l (rainbow trout); 0.5 mg/l (bluegill sunfish). Highly toxic to fish

Aquatic Toxicity Daphnia LC₅₀ (48 hr): 0.17 mg/l.

Aquatic Toxicity Algae EC₅₀ (72 hr): >52 mg/l (scenedesmus subspicatus).

Avian Toxicity LD₅₀ (9 days): >2 000 mg/kg (Japanese quail). Practically non-toxic to birds.

Bee Toxicity LD₅₀: 183 µg/bee. Non-toxic to bees.

Biodegradability: No data available.

Bio-accumulation: No data available.

Mobility: Low mobility in soil.

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 containers. Comply with any local legislation applying to waste disposal.

Package Product Wastes: Do not re-use product containers. Dispose of product containers, waste containers and residues via a licensed disposal contractor to an approved landfill. Use proper protective equipment to minimize exposure. Take all necessary action to prevent and to remedy the adverse effect of the spill.

14. TRANSPORT INFORMATION

UN Number: 1992

Class: 3

Packaging Group: III

Proper Shipping Name: Flammable Liquid; Toxic; N.O.S (contains Bromopropylate)

15. REGULATORY INFORMATION

Risk Phrases: R22- Harmful if swallowed.

R36- Irritating to eyes.

R38- Irritating to skin

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

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

S20/21- When using do not eat, drink or smoke.

S24/25- Avoid contact with skin and eyes.

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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