

# Sprite 255

## SAFETY DATA SHEET

### 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Sprite 255  
**Pesticide Classification:** Herbicide  
**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](http://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:** Bromoxynil octanoate 255 g/l EC  
**Chemical Name:** 2, 6-dibromo-4-cyanophenyl octanoate  
**Empirical formula:** C<sub>15</sub>H<sub>17</sub>Br<sub>2</sub>NO<sub>2</sub>  
**CAS No.:** 1689-99-2  
**RSA Reg. No.:** L8247 Act/Wet No. 36 of/van 1947  
**Namibia Reg. No.:** N-AR 1471

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>Concentration</u>
Bromoxynil	≥ 255 g/l
Inert Ingredients	≤ 745 g/l

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### 3. HAZARD IDENTIFICATION

**Hazard Class:** WHO Class Ib -Highly hazardous.

**Main Hazard:** Harmful if inhaled, swallowed or absorbed through skin. Corrosive. Causes burns. Causes substantial, but temporary, eye injury.

**Flammability:** Flammable

**Chemical Hazard:** Under fire conditions, toxic and corrosive fumes are emitted.

**Biological Hazard:** Relatively toxic to fish.

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### 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:** May cause upper respiratory tract irritation, coughing, wheezing, headaches, nausea, vomiting, abdominal pain, weakness of arms and/or legs, dizziness and loss of coordination. Acute Ingestion may be fatal. Aspiration of the swallowed or vomited product can cause severe pulmonary complications.

#### First Aid Measures:

**Skin Contact:** In case of contact, immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention. Remove contaminated clothing and shoes while washing. Clean contaminated clothing and shoes before re-use or discard if they cannot be thoroughly cleaned.

**Eye Contact:** Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

**Ingestion:** If victim is conscious and alert, give 2-3 glasses of water to drink and do not induce vomiting. Material may enter lungs and cause severe damage. Do not give anything by mouth to an unconscious victim. Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Persons attending the victim should avoid direct contact with heavily contaminated clothing and vomitus. Wear impervious gloves while decontaminating skin and hair.

**Inhalation:** Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek medical attention.

**Advice to Physician:** Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

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

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### 5. FIRE FIGHTING MEASURES

**Flammability:** Flammable

**Extinguishing Agents:** Dry chemical, carbon dioxide, alcohol foam or polymer foam. Water spray is not recommended.

**Firefighting:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Keep unnecessary people away, isolate hazard area and deny entry. Evacuate residents who are downwind of fire. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Persons who may have been exposed to contaminated smoke should be immediately examined by a physician and checked for symptoms of poisoning. The symptoms should not be mistaken for heat exhaustion or smoke inhalation. After fire is extinguished, do not turn on any ignition source until the area is determined to be free from explosion or fire hazards. Cool containers exposed to fire with water.

**Special Hazards:** Under fire conditions, toxic, corrosive fumes are emitted. Containers may explode (due to the build-up of pressure) when exposed to extreme heat. Product will burn under fire conditions. Vapors may travel a considerable distance to a source of ignition and flash back along vapor trail. During a fire hydrogen bromide, oxides of nitrogen, oxides of sulfur and oxides of carbon may form.

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## 6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

**Personal Precautions:** Wear appropriate protective gear for the situation. See Section 8 for the recommended personal protective equipment. Stay upwind if possible. Ventilate closed spaces before entering. Eliminate all sources of ignition until the area is determined to be free from explosion or fire hazards.

**Environmental precautions:** Prevent spilled material from entering drains or watercourses. Contain spill and absorb with earth, sand, clay or other absorbent material. If spilled on the ground, the affected area should be removed to a depth of 5 cm and placed in an appropriate container for disposal according to Section 13.

**Spills:** Pump any free liquid into an appropriate closed container. Recover material, if possible. Absorb with vermiculite or other inert absorbent. Sweep up and place in an appropriate closed container. Decontaminate tools and equipment following clean-up.

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## 7. HANDLING AND STORAGE REQUIREMENTS

**Handling:** Do not breathe vapours and mists. Prevent contact with skin or eyes. Do not ingest. After each day's use wash gloves, face shield and contaminated clothing. Keep away from all ignition sources.

**Storage:** Store in the closed, original container in a cool well-ventilated area. Do not store for prolonged periods in direct sunlight.

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## 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. Clothing soaked with product solution should be promptly removed and laundered before re-use.

**Gloves:** Protective waterproof (impermeable) rubber or plastic gloves are recommended.

**Eye Protection:** Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Eye contact should be prevented through use of chemical safety glasses with side shields or splash proof goggles. An emergency eye wash must be readily accessible to the work area.

**Respiratory:** Respiratory protection is not required for normal use and handling. During periods of abnormal exposure to heavy spray or mist, use a NIOSH approved dust/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. 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical Appearance:** Yellow Liquid.

**Odour:** Solvent odour.

**Specific Gravity:** 1.05 ~ 1.07 at 20 °C.

**Water Solubility:** Miscible

**Emulsion stability:** Passed

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## 10. STABILITY AND REACTIVITY

**Stability:** This material is stable under normal handling and storage conditions described in Section 7.

**Conditions to Avoided:** Elevated temperatures, open flame, sparks and static electricity must be avoided.

**Incompatible Materials:** Strong bases, strong acids and strong oxidizing agents.

**Decomposition Products:** Thermal hydrogen bromide, oxides of nitrogen, oxides of sulfur and oxides of carbon may form.

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## 11. TOXICOLOGICAL INFORMATION

**Acute Oral LD<sub>50</sub> (rat):** >1 000 mg/kg

**Acute Dermal LD<sub>50</sub> (rabbit):** >2 000 mg/kg

**Acute Inhalation LC<sub>50</sub> (rat, 4 hr):** Harmful if inhaled.

**Skin and Eye Irritation (rabbit):** Not irritating to skin, but slightly irritating to eyes.

**Skin Sensitization (guinea pig):** Slightly sensitizing.

**Chronic Dietary Study:** Prolonged contact may cause chronic dermatitis and developmental problems.

**Carcinogenicity:** No data available.

**Mutagenicity:** No data available.

**Reproductive Hazard:** No data available.

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## 12. ECOLOGICAL INFORMATION

**Aquatic Toxicity Fish LC<sub>50</sub> (96 hr):** Moderately toxic to fish.

**Aquatic Toxicity Daphnia EC<sub>50</sub> (48 hr):** No data available.

**Aquatic Toxicity Algae EC<sub>50</sub> (5 days):** No data available.

**Avian Toxicity LD<sub>50</sub> (9 days):** Moderately toxic to birds.

**Bee Toxicity LD<sub>50</sub>:** Harmful to bees.

**Biodegradability:** Degradable in the soil environment, with a half-life of approximately 10 days.

**Bio-accumulation:** No data available.

**Mobility:** No data available.

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## 13. DISPOSAL CONSIDERATION

**Pesticide Disposal:** Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. 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:** Any containers or equipment used should be decontaminated immediately after use. Dispose of containers as hazardous waste via a licensed disposal contractor to an approved landfill. Do not re-use containers.

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## 14. TRANSPORT INFORMATION

**UN No.:** 1992

**Hazard Class:** 3

**Packing Group:** III

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

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## 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.

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## 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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