

RT Buff

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: RT Buff
Pesticide Classification: Adjuvant
UN No.: 2790

Supplier

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

Registration Holder

RT Chemicals CC
Co. Reg. No.: CK 87/21925/23
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: Organic Buffer 576 g/l
Chemical Name: -
Empirical Formula: -
CAS No.: -
RSA Reg. No.: L5777 Act 36 of 1947
Namibia Reg. No.: N-AR 1452

2. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Ingredient Name</u> | <u>Concentration</u> |
|------------------------|----------------------|
| Organic Buffer System | 576 g/l |

3. HAZARD IDENTIFICATION

Hazard Class: WHO Class III -Slightly hazardous.

Main Hazard: May cause severe eye irritation, mildly irritating to the skin and harmful if ingested.

Flammability: Not flammable or explosive.

Chemical Hazard: No specific chemical hazard to mention.

Biological Hazard: No specific biological hazard to mention.

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: Inhalation may result in dyspnea, pleuritic chest pain, pulmonary edema, hypoxemia, bronchospasm, pneumonitis, tracheobronchitis and pulmonary function abnormalities. Oral ingestion may produce mild to moderately severe oral and esophageal burns with more severe burns occurring in the stomach. Perforations are rare but may occur.

First Aid Measures:

Skin Contact: Remove contamination clothing, shoes and leather goods. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Seek medical advice if necessary.

Eye Contact: Immediately flush eyes with gently flowing cold water or saline solution for 20 minutes, holding the eyelid(s) open. Seek medical attention.

Ingestion: Have victim rinse mouth thoroughly with water. Give the victim a glass of milk to drink. Do not induce vomiting. Do not give bicarbonate to neutralize. Activated charcoal is of no value. Passing a nasogastric tube into the stomach is controversial at this time. Do not perform gastric lavage if victim is unconscious. Administration of gastric lavage and oxygen should be performed by qualified medical personnel. Seek medical advice immediately showing the container and label.

Inhalation: Remove source of contamination or move victim to fresh air. Keep person warm and at rest. Treat symptomatically and supportively. Obtain medical advice if necessary.

Advice to Physician: See product pH value.

Oral Exposure:

- 1) Dilution: Immediately dilute with 120 to 240 mL of milk or water in adults and 60 to 120 mL in children.
- 2) Observe patients with ingestion carefully for the possible development of esophageal or gastrointestinal tract irritation or burns. If signs or symptoms of esophageal irritation or burns are present, consider endoscopy to determine the extent of injury.
- 3) Consultation with gastroenterology and/or GI surgery should be obtained in patients with suspected mucosal burns.

Eye Damage Assessment: It may take 48 to 72 hours after the burn to correctly assess the degree of ocular damage. The basis of such an evaluation is the degree of corneal opacification and perilimbal whitening.

Eye Damage Treatment: If ocular damage is minor, topical mydriatics and antibiotics may be sufficient. If more extensive, one or more of the following may be tried, only with ophthalmologica consultations: acetazolamide, timolol, steroids, EDTA, cysteine, NAC, pencillamine, soft contact lenses, insertions of a methymethacrylate ring, or saran wrap.

Dermatologic: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Flammability: Non-flammable

Extinguishing Agents: Extinguish fires with water, carbon dioxide, dry powder, or alcohol-resistant foam. Water spray can be used for cooling of unaffected stock but avoid the accumulation of polluted run-off from the site.

Firefighting: Remove container from fire area if possible. Contain fire control agents for later disposal. Use a recommended extinguishing agent for the type of surrounding fire. Keep material out of sewers and water sources. Avoid inhalation of hazardous

vapors. Keep upwind. Firefighters and others that may be exposed should wear full protective clothing and self-contained breathing apparatus.

Special Hazards: None

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Personal Precautions: Review Section 5 and Section 7 before proceeding with clean-up. Use appropriate personal protection and equipment. Wear protective clothing. If necessary, wear a self-contained breathing apparatus.

Environmental Precautions: Do not contaminate ponds, waterways or ditches with chemical or used containers. Do not allow product to enter drainage systems, surface or ground water. If the product enters watercourses or sewers or contaminate soil or plants, inform competent authority.

Small Spills: Soak up with sand or a suitable non-combustible absorbent material and place the waste into containers for subsequent disposal. Thoroughly wash body areas, which comes into contact with the product. Do not allow the product to come into contact with water systems.

Large Spills: For large spills contact the manufacturer. Contain liquid far ahead of spill. Contain the spillage and contaminated water for subsequent disposal. Do not flush spilled material into drains. Keep spectators away and upwind.

7. HANDLING AND STORAGE REQUIREMENTS

Handling: Avoid contact with eyes, prolonged contact with skin and inhalation of the dust and mist. 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 in original containers in an isolated, dry, cool (avoid temperatures above 40 °C) and ventilated area. Avoid cross contamination with other pesticides and fertilizers. Keep under lock and key out of reach of unauthorized persons, children and animals. Store away from incompatible substances. Not to be stored next to foodstuffs and water supplies. Local regulations should be complied with.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits: No exposure limits have been established.

Engineering Controls: It is essential to provide adequate ventilation. Ensure that control systems are properly designed and maintained. Only spark-resistant equipment should be used. Comply with occupational safety, environmental, fire and other applicable regulations.

Personal Protective Equipment:

Clothing: Employee must wear appropriate protective clothing, boots and equipment to prevent repeated or prolonged skin contact with this substance.

Eye Protection: The use of chemical goggles or face-shield is recommended to avoid eye contact. 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: An approved full-face respirator suitable for protection from dusts and mists of pesticides may be required. 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: Green liquid.

Inflammable: Non-flammable

Explosive Properties: No information currently available.

Flash Point: None

Oxidizing Properties: Corrosive to metal.

pH: 4.45

Suspensibility: No information currently available.

Solubility in Water: Readily soluble in water.

Boiling Point: 100 °C

Melting Point: Not applicable to product.

10. STABILITY AND REACTIVITY

Stability: Stable for up to 2 years under normal warehouse and field conditions.

Conditions to Avoid: No information available.

Incompatible Materials: Do not physically mix concentrate directly with other herbicides or pesticides concentrates. Always dilute first.

Decomposition Products: No information available.

11. TOXICOLOGICAL INFORMATION

No data available.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATION

Pesticide Disposal: Contaminated absorbents, used containers, surplus product etc., should be burnt at >1 000 °C in an incinerator, preferably designed for pesticide disposal, or buried in an approved landfill. Hydrolysis using caustic solution is a suitable method to dispose of small quantities of the product. After hydrolysis, dilute and dispose of in pits or landfill. Comply with local legislation applying to waste disposal.

Package Product Wastes: Emptied containers retain product residues. Do not re-use product containers. Observe all labelled safeguards until container is cleaned, reconditioned or destroyed. Combustible containers should be disposed of in pesticide incinerators or buried in an approved landfill.

14. TRANSPORT INFORMATION

UN No.: 2790

Hazard Class: 8

Packing Group: II

Proper Shipping Name: Acetic Acid; Solution, >10% <50% acid by mass.

15. REGULATORY INFORMATION

Risk Phrases: R 20/21/22- Harmful by inhalation, in contact with skin and swallowed.

Safety Phrases: S 2- Keep out of the reach of children.

S 36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

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 or 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