

Booster Oil

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: Booster Oil
Pesticide Classification: Adjuvant
UN No.: Not regulated.

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: Vegetable Oil 851 g/l

Chemical Name: -

Empirical Formula: -

CAS No.: 8001-21-6

RSA Reg. No.: L6148 Act 36 of 1947

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>Concentration</u>
Sunflower Oil	851 g/l

3. HAZARD IDENTIFICATION

Hazard Class: WHO Class III -Slightly hazardous.

Main Hazard: Avoid ingestion, inhalation and skin or eye contact. Avoid open flames and ignition sources.

Flammability: Flammable. Will ignite when exposed to a naked flame.

Chemical Hazard: Irritating and possibly toxic gases or vapours may be generated during combustion.

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: May be harmful if swallowed. Nausea is a symptom of product ingestion. Aspiration into lungs may cause pain and difficult breathing. Nausea and headaches are also symptoms of product inhalation.

First Aid Measures:

Skin Contact: Remove contaminated clothing and wash the affected area with soap and clean water, preferably under a shower. If soap is not immediately available, rinse for 15 minutes with clean water.

Eye Contact: Immediately flush gently with copious volumes of clean, clear running water, holding the eyelids apart to ensure rinsing of the entire surface of the eyes and the eyelids. Remove contact lenses if present and continue for a minimum of 15 minutes. Contact a physician if irritation occurs or discomfort persists.

Ingestion: Rinse the mouth with plenty of water. Do not give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs spontaneously, keep the airways clear and lower the head below waist level to prevent the fluid from entering the lungs. Contact a physician if discomfort persists.

Inhalation: Immediately get the affected persons out of the contaminated area to fresh, ventilated air. Keep warm and allow to rest. Give artificial respiration if breathing has stopped. Call an ambulance and contact a physician when breathing difficulties persist.

Advice to Physician: Treatment is symptomatic and supportive.

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

5. FIRE FIGHTING MEASURES

Flammability: Will ignite when exposed to a naked flame or extremely high temperatures.

Extinguishing Agents: Standard foam, dry chemicals or carbon dioxide (CO₂). Do not use a water jet.

Firefighting: Firefighting gear including protective gloves, eye protection and a self-contained breathing apparatus is recommended. Stay upwind if possible. Evacuate non-essential persons from the area. Do not breath fumes and smoke. Use water spray to cool containers exposed to fire or heat. Contain run-off by diking. Wash clothing and equipment before re-use.

Special Hazards: May decompose in direct flames, giving off toxic vapours and/or gasses.

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Personal Precautions: Wear suitable protective clothing as described in Section 8. If exposure occurred, see Section 4 for first aid measures. Remove all contaminated clothing promptly. Thoroughly wash the whole body or at least the exposed skin areas with soap and water as soon as possible. Have clothing thoroughly laundered before re-use.

Environmental Precautions: Contain the spill and keep it out of the municipal sewers or open bodies of water. Prevent contamination of the soil and groundwater. Spills on porous surfaces can contaminate the groundwater.

Small Spills: Contain the spill with absorbent material (for example paper towel). First soak up as completely as possible and transfer the contaminated liquid and solid material to a suitable container for disposal according to Section 13, then wash the surface with detergent and water.

Large Spills: Evacuate the area of non-essential persons. Contain the spill immediately by diking with inert materials (for example sand or soil). Pump as much as possible of the liquid to salvage containers. Absorb the remaining material with clay granules, sand or other absorbent material and sweep or shovel to secure waste containers. Contain in a secure location until recovery or appropriate disposal according to Section 13. Decontaminate the spill area with detergent and water and rinse well.

7. HANDLING AND STORAGE REQUIREMENTS

Handling: Although relatively safe to handle, contact with the eyes and skin must be avoided. Keep children, uninformed persons and pets away during use, especially when used with crop protection chemicals. Use only as directed on the product label. Wear suitable protective clothing as described in Section 8 and wash them after use. Do not eat, drink or smoke whilst mixing or applying. Do not handle the product near ignition sources, food, feed or drinking water. Do not inhale vapours or spray mist. Do not handle or apply the product under strong windy conditions. Wash thoroughly after handling with soap and water. Clean the applicator with detergent and water after use.

Storage: Store inside original containers in a cool, dry, ventilated, locked place out of direct sunlight and out of the reach of children and uninformed persons. Store away from food, feed and tobacco products. Store where streams and underground water cannot be accidentally contaminated. Keep the container closed when not in use (a "skin" may form after exposure to air for two to three weeks). Although containers may be stored with most other storage items, contact with oxidising agents must be prevented. Store away from heat sources (radiators, steam pipes, etc.) and ignition sources. The product may attack some plastics and rubber.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits: None adopted.

Engineering Controls: Always take the container(s) out of the storage area and to a well-ventilated spot before opening them and pouring the contents into the spray tank or other mixing chamber.

Personal Protective Equipment:

Clothing: Wear a long-sleeved overall or laboratory coat (over long pants) and shoes (or boots) plus socks. Wash clothes worn during handling of the product with detergent and hot water. Never use contaminated clothing until it has been laundered properly.

Hand Protection: Wear chemical resistant gloves whenever the material is handled. Remove and replace them if there is any indication of damage or degradation. Wash the gloves with soapy water before removing them, and then wash the hands with soap and water.

Eye Protection: Use safety glasses with side shields.

Respiratory: Work in a well-ventilated workplace.

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: Pale yellow-orange transparent liquid.

Odor: Characteristic of vegetable oils.

Density: 0.92 g/ml

Boiling Point: Decomposes on heating to high temperatures.

Melting Point: Approx. -18 °C

Flash Point: 250 °C

Flammability: Flammable

Explosive Properties: Non-explosive

Oxidizing Properties: Strong reducing agent.

Solubility in Water: Insoluble but forms a white, cloudy emulsion in water.

Solubility in Solvent: Slight soluble in alcohol. Miscible with toluene, chloroform and carbon tetrachloride.

10. STABILITY AND REACTIVITY

Stability: The product is stable under normal conditions of storage and use. Product is a reducing agent and can act as solvent. Slowly deteriorates when exposed to air.

Conditions to Avoid: Open flames, ignition sources, high temperatures, sources of heat, oxidising agents and prolonged exposure to air must be avoided.

Incompatible Materials: Incompatible with non-chemical resistant packing material. The product will react with oxidising agents.

Decomposition Products: Hazardous fumes may be emitted when the product is burning.

11. TOXICOLOGICAL INFORMATION

Acute toxicity based on active ingredient toxicity.

Acute Oral Toxicity LD₅₀ (rat): >5 000 mg/kg

Acute Dermal Toxicity LD₅₀ (rat): >2 000 mg/kg

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

Skin Irritation (rabbit): Non-irritating.

Eye Irritation (rabbit): Non-irritating.

Sensitizing Effects (guinea pig): None expected.

Chronic Effects: Not likely to have adverse effects.

Carcinogenic Effects: Not carcinogenic.

Mutagenicity: Not mutagenic.

Teratogenicity: Not teratogenic.

Reproductive Hazards: Not likely to cause reproductive damage.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: None expected.

Avian Toxicity: Practically non-toxic to birds.

Biodegradability: Based on vegetable oil and thus broken down by micro-organisms.

Bio-accumulation: No data available, but none expected.

Mobility: Little or no mobility expected in soil.

13. DISPOSAL CONSIDERATION

Pesticide Disposal: Waste resulting from the use of this product should be minimised by completely emptying and rinsing the container into the tank mixture. Unused product, spray mixture and rinse water should be disposed of on site by use according to the product label or disposed of in accordance with applicable local regulations and requirements, preferably at an approved landfill site. Never dispose residual tank mixes and rinsings in the sewer system or where it can contaminate water bodies. Spilled material that cannot be used must be disposed of at an approved landfill.

Package Product Wastes: Rinse empty containers thoroughly with sufficient water and add the rinsings to the contents of the spray tank. Destroy empty containers by perforation and flattening them. Dispose of the destroyed containers by sanitary landfill or by incineration. Pesticide containers must never be used for any other purpose. Persons conducting disposal, recycling or reclamation activities, must refer to Section 8 of this MSDS. Do not contaminate food, feed, drinking water, dams, streams and underground water.

14. TRANSPORT INFORMATION

UN No.: Not regulated.

Class: Not regulated.

Packaging Group: Not regulated.

Proper Shipping Name: Not regulated.

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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