

Safety Data Sheet (SDS) Booster Oil

According to UN GHS 8th Ed

Revision Date: 08/09/2022

First print date: 01/09/2019

Version: 1.1

SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

Product identifier:

Identification as on the label/Trade name: Booster Oil

Common Name: Vegetable oil 851 g/ℓ

Relevant identification uses of the substance and uses advised against:

Identified uses: Adjuvant

Uses advised against: Use only as directed.

Details of the supplier of the Safety Data Sheet:

Enviro Bio-Chem (Pty) Ltd, 44 Kerk Street,
Lichtenburg, North West, South Africa, 2740

Details of the Registration Holder:

RT Chemicals, 44 Kerk Street,
Lichtenburg, North West, South Africa, 2740

Contact Details:

Telephone: +27 18 632 0050

Fax: 086 461 2465

Website: www.envirobiochem.co.za

Emergency telephone numbers:

24 Hour Emergency Number: Bateleur: +27 83 123 3911

Griffon Poison Information Centre: +27 82 446 8946

Poisons Information Helpline: 0861 555 777

Tygerberg Hospital: +27 21 931 6129

SECTION 2. HAZARD IDENTIFICATION

Classification of the substances or mixture

The mixture is classified according to SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP]

Hazard classes/Hazard categories	Hazard statement
Skin Irritation (Category 2)	H315
Eye Irritation (Category 2)	H319

For full text of H statements see section 16

The most important adverse effects

The most important adverse physicochemical effects: None.

The most important adverse human health effects: May cause skin and eye irritation.

Label elements:

Pictograms:



Signal Word: Warning

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Hazard Statements:

H315	Causes skin irritation
H319	Causes serious eye irritation

Precautionary Statements:

P264	Wash hands and face thoroughly after handling.
P280	Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
P302/352	IF ON SKIN: Wash with plenty of water and non-abrasive soap.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332/313	If skin irritation occurs: get medical advice.
P337/313	If eye irritation persists: Get medical advice.
P362/364	Take off contaminated clothing and wash it before reuse.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

 Substance/Mixture: **Mixture**

Ingredients:

Substance name (IUPAC)	CAS Number.	Concentration % by weight	Classification EC1272/2008
Sunflower Oil	8001-21-6	89%	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Blend of emulsifier and non-ionic surfactant	9016-45-9	<15%	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 2 (H411)

There are no other ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST AID MEASURES

Description of first aid measures:

In case of inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if you feel unwell.

In case of skin contact: Wash with plenty of water and non-abrasive soap.

In case of eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

In case of ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention.

Most important symptoms and effects, both acute and delayed:

Symptoms of exposure to the product : None known.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

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SECTION 5. FIRE FIGHTING MEASURES

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

Extinguisher media:

Suitable extinguisher media: Foam. Dry powder. Carbon dioxide. Water spray.

Unsuitable extinguishing media: Do not use high volume water jet, due to contamination risk.

Special hazards arising from the mixture:

Nature of decomposition products not known.

Advice for fire-fighters:

Protective respirator with independent air supply not required, unless there is a potential for exposure to particles which could cause discomfort.

SECTION 6. ACCIDENTAL RELEASE

Personal precautions, protective equipment, and emergency procedures:

For non-emergency personnel: Keep all personnel away.

For emergency responders: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Use an approved/certified respirator or equivalent.

Refer to section 8 for recommended personal protective equipment.

Environmental precautions:

Cover drains. Prevent from entering soil, ditches, sewers, waterways and/or groundwater

Methods for containment and cleaning up:

For small spills: Clean up promptly. Do not use water to collect spilled product. Absorb with materials such as: sand, earth, vermiculite, or diatomaceous earth. Do not flush spilled product into drains.

For large spills : Isolate area and keep unauthorized personnel away. Contain spilled material if possible. Clean up promptly. Do not use water to collect spilled product. Absorb with materials such as: sand, earth, vermiculite, or diatomaceous earth. Do not flush spilled product into drains

Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Harmful if swallowed. Avoid contact with skin, eyes, and clothing. Do not leave the product in the applicator for long period. Use with adequate ventilation. Provide appropriate exhaust ventilation at places where dust is formed. 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.

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

Protective measures: Observe directions on label and instructions for use.

Advice on general occupational hygiene: Do not eat drink or smoke when handling this product.

Conditions for safe storage, including incompatibilities:

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Store in original containers. Store product in a segregated and approved area. Keep container in a cool, well-ventilated area at temperatures not exceeding 30 °C. Keep container tightly closed and sealed until ready for use. Keep under lock and key out of reach of unauthorized persons, children, and animals. Store away from incompatible substances. Provide adequate exhaust ventilation in areas where dust may form. Do not leave in applicators for extended periods.

Specific end uses:

Use as directed. Use original container.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

Occupational exposure limits (OEL): No information available.

Biological exposure indices (BEI): No information available.

Additional exposure limits under the conditions of use: No information available.

Exposure control:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. A Risk Assessment should be conducted before handling is to commence to determine specific exposure control.

Appropriate engineering controls: None required.

Eye/face protection: Not required under normal use. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

Hand protection: Not required under normal use. If there is a potential for exposure to particles which could cause skin discomfort, wear chemical resistant gloves.

Body protection: Wear appropriate clothing for task or operation. Keep working clothes separately.

Respiratory protection: Not required under normal use. Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines.

Environmental exposure controls: Prevent product from entry into sewers and water courses.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Pale yellow-orange transparent liquid.
Odour	Characteristic of vegetable oils.
Density	0.92 g/mℓ
Odour threshold	No data available
pH	No data available
Melting point / freezing point (°C)	Approx. -18 °C
Boiling point (°C)	Decomposes on heating to high temperatures.
Flash point (°C)	250 °C
Evaporation rate	No data available
Flammability	Will ignite when exposed to a naked flame or extremely high temperatures.
Upper /lower flammability limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Water solubility (g/l) at 20°C	Insoluble but forms a white, cloudy emulsion in water.

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Partition coefficient : n-octanol/water	No data available
Auto-ignition temperature (° C)	No data available
Decomposition temperature (° C)	No data available
Viscosity, dynamic (mPa s)	No data available
Explosive properties	Non-explosive
Oxidising properties	Strong reducing agent.

SECTION 10. STABILITY AND REACTIVITY

Reactivity:

The product is stable under normal conditions.

Chemical stability:

Stable under normal storage conditions for 2 years. Avoid excessive heat sources.

Possibility of hazardous reactions:

No information available.

Conditions to avoid:

Avoid excessive heat and ignition sources.

Incompatible materials:

No information available.

Hazardous decomposition products:

No information available.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicokinetics, metabolism and distribution: No data available

Information on toxicological effects:

Assessment of acute toxicity:

The product has not been tested. The data reported is for the main ingredients in the mixture.

Sunflower Oil CAS No. 8001-21-6	
Acute toxicity:	
Acute Oral LD50 (rat-female)	>5 000 mg/kg
Acute Dermal LD50 (rabbit):	>2 000 mg/kg
Acute Inhalation LC50 - 4 h (rat)	>5 mg/ℓ air
Skin irritation/ corrosion	Non-irritating.
Eye damage / irritation	Non-irritating.
Respiratory or skin sensitization	None expected.
Germ cell mutagenicity	Not mutagenic.
Carcinogenicity	Not carcinogenic.
Reproductive toxicity	Not likely to cause reproductive damage.
Specific Target Organ Toxicity STOT single exposure	No information available.
Specific Target Organ Toxicity STOT repeated exposure	No information available.
Aspiration hazard	No information available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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SECTION 12. ECOLOGICAL INFORMATION

Sunflower Oil CAS No. 8001-21-6	
Toxicity	
None expected.	
Persistence and degradability	Based on vegetable oil and thus broken down by micro-organisms.
Bioaccumulation potential	No data available
Mobility in Soil	Little or no mobility expected in soil.
Result of PBT and vPvB assessment	No data available
Other adverse effects	None known.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Product:

Keep out of drains, sewers, ditches, and waterways. Refer to container label for disposal information. Treat as hazardous waste and dispose of in accordance with local/ regional/ national/ international regulations.

Container:

Refer to container label for disposal information. Triple or pressure rinse empty containers. Pour rinse water into spray tank. Dispose of as hazardous waste. Do not contaminate water when disposing of rinse water. Dispose of using an approved waste disposal service provider. Follow all local/ regional/ national/ international regulations.

SECTION 14. TRANSPORT INFORMATION

UN Number	Not regulated.
UN proper shipping name	-
Transport hazard class	-
Packaging group	-
Marine pollutant	-

Not classed i.e. considered non-hazardous material according to UN Orange Book and international transport codes e.g. RID (rail) and IMDG (sea).

SECTION 15. REGULATORY INFORMATION

Safety, health, and environmental regulations/legislation for the mixture:

Relevant information regarding authorization: Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021. UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 8, 2019.

Relevant information regarding restrictions:

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

Other National regulations:

National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management Waste Act 59 of 2008.

Act 36 of 1947 of the Republic of South Africa. This product is registered under 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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Chemical Safety Assessment carried out? No

SECTION 16. OTHER INFORMATION

Indication of changes:

Classification according to SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP]

GHS aligned – all sections

Relevant H statements (number and full text):

H302-Harmful if swallowed.

H411-Toxic to aquatic life with long lasting effects.

Training instructions:

Use as indicated on the label.

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. 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.