



# SAFETY DATA SHEET

## ENVIRODYE RED

Infosafe No.: X01DM

Version No.: 2.0

ISSUED Date : 3/08/2021

ISSUED by: SST NEW ZEALAND LIMITED

### Section 1: Identification

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**Product Identifier**

ENVIRODYE RED

**Product Code**

140010483

**Company Name**

SST NEW ZEALAND LIMITED

**Address**

119 Carbine Road, Mt Wellington, Auckland 1060  
NEW ZEALAND

**Telephone/Fax Number**

Telephone: +64 9 2593777

**Emergency Phone Number**

0800 154 666

**Email**

regaffairs.anz@dksh.com

**Recommended uses and any restrictions on use or supply**

Tank added vegetation spray marker.

### Section 2: Hazard identification

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**GHS classification of the substance/mixture**

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017, New Zealand.

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2020 Transport of Dangerous Goods on Land.

6.1E (Inhalation – vapours, dusts or mists) - Substance that is acutely toxic

6.3B Substance that is mildly irritating to the skin

6.4A Substance that is irritating to the eyes

**Signal Word (s)**

WARNING

**Hazard Statement (s)**

H316 Causes mild skin irritation.

H319 Causes serious eye irritation.

H333 May be harmful if inhaled.

**Pictogram (s)**

Exclamation mark

**Precautionary Statement – Prevention**

P264 Wash skin thoroughly after handling.

P280e Wear eye protection/face protection.

**Precautionary Statement – Response**

P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

**SECTION 3: Composition/information on ingredients****Ingredients**

Name	CAS	Proportion
Triethanolamine	102-71-6	15-20 %
Ingredients determined not to be hazardous		Balance

**Section 4: First-aid measures****Inhalation**

If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

**Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

**Skin**

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

**Eye**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

**First-aid Facilities**

Eyewash, safety shower and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically.

**Other Information**

For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (0800 764 766)

**Section 5: Fire-fighting measures****Suitable Extinguishing Media**

Carbon dioxide, dry chemical, foam, water mist or water spray.

**Hazards from Combustion Products**

Under fire conditions this product may emit toxic and/or irritating fumes and gases including: carbon monoxide, carbon dioxide, oxides of nitrogen, oxides of sulphur, sulphur dioxide, sulphur compound and water.

Sulphur dioxide is a respiratory hazard.

### Specific hazards arising from the chemical

This product will burn if exposed to fire.

### Decomposition Temperature

Not available

### Precautions in connection with fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## SECTION 6: Accidental release measures

### Emergency Procedures

Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## SECTION 7: Handling and storage

### Precautions for Safe Handling

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area away from sources of ignition, foodstuffs, clothing and incompatible materials such as oxidising agents. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.

### Storage Temperatures

5 °C (minimum)

## SECTION 8: Exposure controls/personal protection

### Occupational Exposure Limits (OEL)

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Triethanolamine	NZ OELs List	TWA	5	mg/m <sup>3</sup>	

### Biological Limit Values

No biological limits allocated.

### Appropriate Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

#### Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

#### Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

#### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## SECTION 9: Physical and chemical properties

Properties	Description	Properties	Description
Form	Liquid	Appearance	Red liquid
Colour	Red	Odour	Not available
Decomposition Temperature	Not available	Melting Point	Not available
Boiling Point	Not available	Solubility in Water	Soluble
Specific Gravity	1.1 (20 °C) (approximate)	pH	8-9
Vapour Pressure	Not available	Vapour Density (Air=1)	Not available
Evaporation Rate	Not available	Odour Threshold	Not available
Viscosity	Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity	Volatile Component	Not available
Partition Coefficient: n-octanol/water	Not available	Flash Point	Not available
Flammability	Not flammable	Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available	Flammable Limits - Upper	Not available
Explosion Properties	Not available	Oxidising Properties	Not available
Kinematic Viscosity	Not available	Dynamic Viscosity	Not available

## SECTION 10: Stability and reactivity

#### Reactivity

Refer to Section 10: Possibility of hazardous reactions

#### Chemical Stability

Stable under normal conditions of storage and handling. This product is unlikely to spontaneously decompose.

#### Conditions to Avoid

Heat, open flames and other sources of ignition.

#### Incompatible Materials

Strong oxidising agents, acids and bases.

#### Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes including: carbon monoxide, carbon dioxide, oxides of nitrogen, oxides of sulphur, sulphur dioxide, sulphur compound and water.

Sulphur dioxide is a respiratory hazard.

**Possibility of hazardous reactions**

Reacts with incompatible materials.

**Hazardous Polymerization**

This product is unlikely to spontaneously polymerise.

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## SECTION 11: Toxicological information

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**Toxicology Information**

Toxicity data for material given below.

**Acute Toxicity - Oral**

LD50 (rat): >5000 mg/kg

**Ingestion**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

**Inhalation**

May be harmful if inhaled. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system.

**Skin**

Causes mild skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

**Eye**

Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

**Respiratory Sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

Not expected to be a skin sensitiser.

Species: guinea pig

Result: not sensitising

Method: OECD 406

**Germ Cell Mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

Triethanolamine is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

**Reproductive Toxicity**

Not considered to be toxic to reproduction.

**STOT - Single Exposure**

Not expected to cause toxicity to a specific target organ.

**STOT - Repeated Exposure**

Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard**

Not expected to be an aspiration hazard.

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## SECTION 12: Ecological information

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**Ecotoxicity**

The available ecological data is given below.

**Persistence and degradability**

BOD 5: 0 mgO<sub>2</sub>/g

COD: 216 mgO<sub>2</sub>/g

TOC: 7%

Biological degradation: 10-25%

Test Method: OECD 302B

#### **Mobility**

Not available

#### **Bioaccumulative Potential**

Not available

#### **Other Adverse Effects**

Not available

#### **Environmental Protection**

Prevent this material entering waterways, drains and sewers.

#### **Acute Toxicity - Fish**

LC50 (Zebra fish): >1000 mg/l/96h

Test Method: OECD 203

#### **Acute Toxicity - Daphnia**

EC50 (daphnia): >100 mg/l/48h

Test Method: OECD 202

#### **Acute Toxicity - Algae**

EC50 (algae): >100 mg/l/72h (growth inhibition)

Test Method: OECD 201

#### **Acute Toxicity - Bacteria**

IC50 (bacteria): >400 mg/l/3h

Test Method: OECD 209

#### **Hazardous to the Ozone Layer**

This product is not expected to deplete the ozone layer.

#### **Other Information**

Heavy-metal content: metal content under the ETAD recommended limits.

(ETAD: The Ecological and Toxicological Association of Dyes and Organic Pigments Manufacturers)

Behaviour in treatment plants: no inhibition, no nitrification inhibition known. Poorly eliminated by adsorption on effluent treatment sludge.

## **SECTION 13: Disposal considerations**

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### **Disposal Considerations**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

Product Disposal:

Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

This product can be disposed through a licensed commercial waste collection service. In this specific case the product is a combustible substance and therefore can be sent to an approved high temperature incineration plant for disposal.

Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed.

Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected.

In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Notice 2017. Further details regarding disposal can be obtained on the EPA New Zealand website under specific group standards.

Container Disposal:

The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service.

Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous.

In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

## SECTION 14: Transport information

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### Transport Information

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2020 Transport of Dangerous Goods on Land.

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### UN Number

None Allocated

### Proper Shipping Name

None Allocated

### Hazard Class

None Allocated

### Packing Group

None Allocated

### UN Number (Air Transport, ICAO)

None Allocated

### IATA/ICAO Proper Shipping Name

Not dangerous for conveyance under IATA code

### IATA/ICAO Hazard Class

None Allocated

### IATA/ICAO Packing Group

None Allocated

### IMDG UN Number

None Allocated

### IMDG Proper Shipping Name

Not dangerous for conveyance under IMO/IMDG code

### IMDG Hazard Class

None Allocated

### IMDG Packing Group

None Allocated

### IMDG Marine pollutant

No

### Transport in Bulk

Not available

### Special Precautions for User

Not available

## SECTION 15: Regulatory information

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### Regulatory Information

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017, New Zealand. Group Standard: Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2017.

### HSNO Approval Number

HSR002503

### New Zealand (NZIoC)

All components of this product are listed on the Inventory or exempted.

**Tolerable exposure limit (TEL)**

Not available

**Environmental exposure limit (EEL)**

Not available

**Certified Handler**

Not available

**Tracking**

Not required

**Controlled Substance Licence Requirements**

Not available

**Montreal Protocol**

Not Listed

**Stockholm Convention**

Not Listed

**Rotterdam Convention**

Not Listed

**Agricultural Compounds, including Veterinary Medicines (ACVM)**

Not available

## SECTION 16: Other information

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**Date of preparation or last revision of SDS**

SDS Reviewed: August 2021, Supersedes: July 2016

**Literature References**

Hazardous Substances and New Organisms Act 1996.

Health and Safety at Work (Hazardous Substances) Regulations 2017.

Workplace Exposure Standards and Biological Exposure Indices.

Agricultural Compounds and Veterinary Medicines Act 1997.

Montreal Protocol on Substances that Deplete the Ozone Layer.

Stockholm Convention on Persistent Organic Pollutants (POPs).

Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.

Transport of Dangerous goods on land NZS 5433.

Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).

Assigning a hazardous substance to a group standard.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

**Contact Person/Point**

IMPORTANT ADVICE: An SDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. The information contained in this SDS is believed to be correct but is not guaranteed. Prior to using the product(s) referred to in this SDS, each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact the supplier listed in section 1 of the SDS. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. SST does not accept any other liability either directly or indirectly for any losses suffered in connection with the use and application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

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