Material Safety Data Sheet

ENVIRODYE RED

Infosafe No.: X01DM
Version No.: 3.0
ISSUED Date : 29/01/2025
ISSUED by: DKSH AGRISOLUTIONS NEW ZEALAND LIMITED

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name
ENVIRODYE RED

Product Code
140010487

Company name
DKSH AGRISOLUTIONS NEW ZEALAND LIMITED

Address
119 Carbine Road, Mt Wellington, Auckland 1060
NEW ZEALAND

Emergency Tel.
0800 154 666

Telephone/Fax Number
Telephone: +64 9 2593777

Email
regaffairs.anz@dksh.com

Recommended Use
Tank added vegetation spray marker.

2. HAZARD IDENTIFICATION

Hazard Classification
Classified as Hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020, New Zealand.
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2020 Transport of Dangerous Goods on Land.

Acute oral toxicity: Category 4

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization
Liquid

Ingredients

Name	CAS	Proportion
C.I. Direct Red 254	6300-50-1	20-<50 %
Ingredients determined not to be hazardous, including water		Balance

Other Information
Chemical Family: Azo dyes

C.I. Direct Red 254 [6300-50-1]
Other Names: Naphthalenesulfonic acid, 7-amino-4-hydroxy-3-[2-[4-[2-(4-sulfophenyl)diazenyl]phenyl]diazenyl]-, sodium salt (1:2)

4. FIRST-AID MEASURES

Inhalation
If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

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

Skin
Wash affected area thoroughly with soap and water. If symptoms develop 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. If symptoms develop and/or persist seek medical attention.

First Aid Facilities
Eyewash 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)

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water spray, alcohol-resistant foam, carbon dioxide, dry chemical or foam.

Hazards from Combustion Products
Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including oxides of sulphur, carbon monoxide, carbon dioxide and oxides of nitrogen.

Specific Hazards
This product is non combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn.

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.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures
Wear appropriate personal protective equipment and clothing to prevent exposure. Do not breathe mist/vapour. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. As a water based product, if spilt on electrical equipment the product will cause short-circuits. Do not dilute material but contain. Do not allow product to enter drains, waterways or sewers. 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.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Avoid inhalation of vapours and mists, and skin or eye contact. Do not get this material on clothing. 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. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities. Do not eat, drink or smoke when using this product.

Conditions for Safe Storage
Store in a cool, dry, well-ventilated area, out of direct sunlight. Protect from freezing. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Protect containers against physical damage. Inspect regularly for deficiencies such as damage or leaks. Ensure that storage conditions comply with applicable local and national regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards
No Exposure Limit Established

Biological Limit Values
No biological limits allocated.

Engineering Controls
This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn.

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.
Recommended Materials - Filter type: Organic vapour cartridge with a particulate pre-filter
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.

Footwear
Wear safety footwear. Final choice will vary according to individual circumstances.

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.

Hygiene Measures
Provide readily accessible eye wash stations and safety showers.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
Liquid

Appearance
Red liquid

Odour
Odourless

Decomposition Temperature
Not available

Melting Point
Not available

Boiling Point
Not available

Solubility in Water
Soluble

Specific Gravity
Not available

pH Value
Not available

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

Colour
Red

Volatile Component
Not available

Octanol/Water Partition Coefficient
Not available

Flash Point
Not applicable

Flammability
Not flammable

Auto-Ignition Temperature
Not available

Flammable Limits - Lower
Not available

Flammable Limits - Upper
Not available

Explosion Properties
Product is not explosive

Oxidising Properties
Not available

Kinematic Viscosity
Not available

Dynamic Viscosity
Not available

10. STABILITY AND REACTIVITY

Stability and reactivity
Refer to Section 10: Possibility of hazardous reactions

Chemical Stability
Stable under normal conditions of storage and handling.

Conditions to Avoid
Heat, open flames and other sources of ignition. Extremes of temperature and direct sunlight. Incompatible materials.

Incompatible materials
Strong oxidising agents.

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

Hazardous Reactions
Reacts with incompatible materials.

Hazardous Polymerization
Not available

11. TOXICOLOGICAL INFORMATION

Toxicology Information
No toxicity data available for this material.

Inhalation
Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

Ingestion
Harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

Skin
May be irritating to skin. The symptoms may include redness, itching and swelling.

Eye
May be irritating to eyes. The symptoms may include redness, itching and tearing.

Reproductive Toxicity
Not considered to be toxic to reproduction.

Carcinogenicity
Not considered to be a carcinogenic hazard.

Skin Sensitisation
Not expected to be a skin sensitiser.

12. ECOLOGICAL INFORMATION

Ecotoxicity
No ecological data available for this material.

Persistence / Degradability
Not available

Mobility
Not available

Bioaccumulative Potential
Not available

Other Adverse Effects
Not available

Environmental Protection
Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

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 water-based/water-soluble and therefore can be sent through a Waste Water Treatment Plant and after treatment can be discharged into environment through the sewerage or drainage systems as authorized.
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.

14. TRANSPORT INFORMATION

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.

Special Precautions for User
Not available

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 No
None Allocated

IMDG Proper Shipping Name
Not dangerous for conveyance under IMO/IMDG code

IMDG Hazard Class
None Allocated

IMDG Pack. Group
None Allocated

IMDG Marine pollutant
No

15. REGULATORY INFORMATION

Regulatory information
Classified as Hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020, New Zealand.
Group Standard: Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2020

HSNO Approval Number
HSR002670

New Zealand (NZIoC)
All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempted.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS
SDS Reviewed: January 2025, Supersedes: August 2021

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. DKSH Agrisolutions New Zealand Limited 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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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.
Recommendations on the Transport of Dangerous Goods–Model Regulations.
Dangerous Goods Emergency Action Code List.
Hazardous Substances (Safety Data Sheets) Notice 2017. (EPA Consolidation)
Assigning a hazardous substance to a group standard.
Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

END OF MSDS