

## ENVIRODYE BLUE

Infosafe No.: X01DL

Version No.: 3.0

ISSUED Date : 27/11/2024

ISSUED by: AGRION CROP SOLUTIONS  
LIMITED

### Section 1 - Identification

**Product Identifier**

ENVIRODYE BLUE

**Product Code**

140010479

**Company Name**

AGRION CROP SOLUTIONS 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**

Used as a marker dye for agricultural applications.

### Section 2 - Hazard(s) Identification

**GHS classification of the substance/mixture**

Not 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.

### Section 3 - Composition and Information on Ingredients

**Chemical Characterization**

Liquid

**Ingredients**

| Name                                                        | CAS       | Proportion |
|-------------------------------------------------------------|-----------|------------|
| C.I. Acid Blue 9, diammonium salt                           | 2650-18-2 | 10-20 %    |
| Ingredients determined not to be hazardous, including water |           | Balance    |

### Section 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 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)

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**Section 5 - Firefighting Measures****Suitable Extinguishing Media**

Use appropriate fire extinguisher for surrounding environment.

**Hazards from Combustion Products**

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

**Specific hazards arising from the chemical**

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.

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**Section 6 - Accidental Release Measures****Emergency Procedures**

Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. As a water based product, if spilt on electrical equipment the product will cause short-circuits. Prevent this material entering waterways, drains and 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.

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**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. 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, out of direct sunlight. Protect from freezing. Keep away from heat, sparks, open flames, ignition sources, hot surfaces. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

**Storage Temperatures**

5 °C (minimum)

## Section 8 - Exposure Controls and Personal Protection

### Occupational Exposure Limits (OEL)

No Exposure Limit Established

### Biological Limit Values

No biological limits allocated.

### Appropriate Engineering Controls

Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

### 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.

### 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.

## Section 9 - Physical and Chemical Properties

| Properties                             | Description                                                   | Properties                | Description   |
|----------------------------------------|---------------------------------------------------------------|---------------------------|---------------|
| Form                                   | Liquid                                                        | Appearance                | Blue liquid   |
| Colour                                 | Blue                                                          | Odour                     | Not available |
| Decomposition Temperature              | Not available                                                 | Melting Point             | Not available |
| Boiling Point                          | Not available                                                 | Solubility in Water       | Soluble       |
| Specific Gravity                       | 1.05 (20 °C) (approximate)                                    | pH                        | 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 | 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 |
| Particle Characteristics               | Not available                                                 |                           |               |

## Section 10 - Stability and Reactivity

### Reactivity

Based on the composition not expected to be reactive.

**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. Extremes of temperature and direct sunlight.

**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: oxides of sulphur, sulphur compounds, oxides of nitrogen, carbon monoxide and carbon dioxide.

**Possibility of hazardous reactions**

Reacts with incompatible materials.

**Hazardous Polymerization**

This product is unlikely to spontaneously polymerise.

## Section 11 - Toxicological Information

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**Toxicology Information**

No toxicity data available for this material.

**Ingestion**

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

**Inhalation**

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

**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.

**Respiratory Sensitisation**

Not expected to be a respiratory sensitizer.

**Skin Sensitisation**

Not expected to be a skin sensitizer.

**Germ Cell Mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

**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.

## Section 12 - Ecological Information

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**Ecotoxicity**

No ecological data available for this material.

**Persistence and 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.

**Hazardous to the Ozone Layer**

This product is not expected to deplete the ozone layer.

## 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:**

This product can be disposed through a licensed commercial waste collection service. This product is non-hazardous and therefore the New Zealand HSNO regulations regarding disposal do not apply, however other regulations may apply.

This is a water-based/water-soluble product 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.

**Container Disposal:**

The product is non-hazardous, therefore, the packaging may be re-used or recycled if it has been treated to remove any residual contents of the substance. Any wash-off water from the container cleaning process should be sent to a suitable waste water treatment plant before discharge into the environment.

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.

**Special Precautions for User**

Not available

**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

**Section 15 - Regulatory Information**

**Regulatory Information**  
Not classified as Hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020, New Zealand.

**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

**Global Inventory Status**

| Country/Region Inventory | Status Description                                                      | Country/Region Inventory | Status Description |
|--------------------------|-------------------------------------------------------------------------|--------------------------|--------------------|
| New Zealand (NZIoC)      | All components of this product are listed on the Inventory or exempted. |                          |                    |

**Section 16 - Any Other Relevant Information**

**Date of preparation or last revision of SDS**  
SDS Reviewed: November 2024, Supersedes: July 2021

**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.  
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).

### 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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