



# SAFETY DATA SHEET

## ENVIRODYE BLUE

Infosafe No.: X01DL

Version No.: 1.0

ISSUED Date : 23/07/2021

ISSUED by: SST AUSTRALIA PTY LTD

### Section 1 - Identification

---

**Product Identifier**

ENVIRODYE BLUE

**Company Product Codes / Numbers / Unique Identifiers**

140010473

**Company Name**

SST AUSTRALIA PTY LTD

**Address**

Level 3, 35 Cotham Road, Kew, Victoria 3101

Australia

**Telephone/Fax Number**

Telephone: 03 9720 6306 Fax number: 03 9720 6407

**Emergency Phone Number**

1800 638 556

**E-mail Address**

compliance@axieo.com

**Recommended use of the chemical and restrictions on use**

Used as a marker dye for agricultural applications.

### Section 2 - Hazard(s) Identification

---

**GHS classification of the substance/mixture**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Eye Damage/Irritation: Category 2

**Signal Word (s)**

WARNING

**Hazard Statement (s)**

H319 Causes serious eye irritation.

**Pictogram (s)**

Exclamation mark

**Precautionary Statement – Prevention**

P264 Wash thoroughly after handling.

P280 Wear eye protection/face protection.

**Precautionary Statement – Response**

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 and Information on Ingredients

#### Ingredients

Name	CAS	Proportion
C. I. Acid Blue 9, disodium salt	3844- 45- 9	10- 20 %
Ingredients determined not to be hazardous		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 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. 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. (131 126)

### Section 5 - Firefighting 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, smoke and gases including oxides of sulphur, sulphur dioxide, sulphur compound, carbon monoxide, carbon dioxide and oxides of nitrogen.

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 Regulations

Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940 2017.

## Section 8 - Exposure Controls and Personal Protection

### Occupational exposure limit values

No Exposure Limit Established

### Biological Monitoring

No biological limits allocated.

### Control Banding

Not available

### 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 and Face 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.

### Thermal Hazards

No further relevant information available.

### 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

<b>Colour</b>	Blue	<b>Odour</b>	Not available
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	Not available
<b>Decomposition Temperature</b>	Not available	<b>Solubility in Water</b>	Soluble
<b>Specific Gravity</b>	1.04 (20 °C) (approximate)	<b>pH</b>	5-6
<b>Vapour Pressure</b>	Not available	<b>Relative Vapour Density (Air=1)</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Odour Threshold</b>	Not available
<b>Viscosity</b>	Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity	<b>Volatile Component</b>	Not available
<b>Partition Coefficient: n-octanol/water (log value)</b>	Not available	<b>Flash Point</b>	Not available
<b>Flammability</b>	Non Flammable	<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	Not available	<b>Flammable Limits - Upper</b>	Not available
<b>Explosion Properties</b>	Not available	<b>Oxidising Properties</b>	Not available
<b>Kinematic Viscosity</b>	Not available	<b>Dynamic Viscosity</b>	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.

### Possibility of hazardous reactions

Reacts with incompatible materials.

### 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: oxides of sulphur, sulphur dioxide, sulphur compound, carbon monoxide, carbon dioxide and oxides of nitrogen,.

Sulphur dioxide is a respiratory hazard.

### Hazardous Polymerization

This product is unlikely to spontaneously polymerise.

## Section 11 - Toxicological Information

### Toxicology Information

Toxicity data for material given below.

### Acute Toxicity - Oral

LD50 (rat): >5000 mg/kg

(Based on similar product)

### 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

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.

### Germ Cell Mutagenicity

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

C.I Acid Blue 9, disodium salt is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

**Long Term Effects**

In 1987, the International Agency for Research on Cancer (IARC) determined that Sulphonated aromatic acid blue dyestuff was not classifiable as to its carcinogenicity to humans due to the absence of adequate data in humans and limited evidence in animals. Subsequent lifetime feeding studies in rats and mice indicate that Sulphonated aromatic acid blue dyestuff is not carcinogenic. There are no other known chronic effects associated with this material. The low oral toxicity of Sulphonated aromatic acid blue dyestuffs consistent with its poor absorption (<5%) from the gastrointestinal tract. Sulphonated aromatic acid blue dyestuff is irritating to the skin of humans and the eyes of rabbits.

**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**

---

**Ecotoxicity**

No ecological data available for this material.

**Persistence and degradability**

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Elimination information: Test method: static test

Method of analysis : photometry

Degree of elimination : <10%

**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**

---

**Disposal Considerations**

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

To minimise personal exposure, refer to Section 8 - Exposure Controls and Personal Protection.

**Section 14 - Transport Information**

---

**Transport Information**

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

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.

**ADG U.N. Number**

None Allocated

**ADG Proper Shipping Name**

None Allocated

**ADG Transport Hazard Class**

None Allocated

**ADG Packing Group**

None Allocated

**Special Precautions for User**

Not available

**IATA UN Number**

None Allocated

**IATA Proper Shipping Name**

Not dangerous for conveyance under IATA code

**IATA Transport Hazard Class**

None Allocated

**IATA Packing Group**

None Allocated

**IMDG UN Number**

None Allocated

**IMDG Proper Shipping Name**

Not dangerous for conveyance under IMO/IMDG code

**IMDG Transport Hazard Class**

None Allocated

**IMDG Packing Group**

None Allocated

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

## Section 15 - Regulatory Information

---

**Regulatory Information**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Poisons Schedule**

Not Scheduled

**Australia (AICS/AIIC)**

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

**Montreal Protocol**

Not Listed

**Stockholm Convention**

Not Listed

**Rotterdam Convention**

Not Listed

**International Convention for the Prevention of Pollution from Ships (MARPOL)**

Not available

**Agricultural and Veterinary Chemicals Act 1994**

Not applicable

**Basel Convention**

Not Listed

## Section 16 - Any Other Relevant Information

---

**Date of Preparation**

SDS Reviewed: July 2021, Supersedes: July 2016

**Literature References**

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.  
Standard for the Uniform Scheduling of Medicines and Poisons.  
Australian Code for the Transport of Dangerous Goods by Road & Rail.  
Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.  
Code of Practice for Supply Diversion into Illicit Drug Manufacture.  
National Code of Practice for Chemicals of Security Concern.  
Agricultural Compounds and Veterinary Chemicals Act.  
International Agency for Research on Cancer (IARC) Monographs.  
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.  
Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal.  
International Air Transport Association (IATA) Dangerous Goods Regulations.  
International Maritime Dangerous Goods (IMDG) Code.  
Workplace exposure standards for airborne contaminants.  
Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).  
Globally Harmonised System of Classification and Labelling of Chemicals.  
Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

#### **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.

**SST SDS WARNING:** SST is aware that third parties are distributing documents purporting to be SDSs (or the like) in relation to SST products without any authorisation from SST ("Unauthorised SDS"). SST accepts no responsibility for the distribution of an Unauthorised SDS by a third party or for any information contained therein. All SST products must be used in accordance with the corresponding original and current SDS authorised by SST for use with that SST product ("Authorised SDS"). In the event that an SDS in relation to an SST product has expired and is not marked as obsolete, please contact SST immediately to obtain a current SDS. Further, if an SST product is used without the Authorised SDS and/or with an Unauthorised SDS, or an expired SDS which is not marked obsolete, SST hereby excludes absolutely and to the maximum extent permitted by law all liability whatsoever and howsoever arising under contract, tort (including negligence) or otherwise for all loss and/or damage including, but not limited to, for personal injury, sickness or death, damage to real property and/or chattels and all indirect and consequential loss (including loss of profits).

---

---

## **END OF SDS**

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe SDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe SDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

The compilation of SDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any SDS displayed is permitted for personal use only and otherwise is not permitted. In particular the SDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of SDS without the express written consent of Chemical Safety International Pty Ltd.

Jurisdiction: Au ghs

Language: English