

Safety Data Sheet ERIOCHROME BLACK T

SDS no. WLLB72RL • Version 1.0 • Date of issue: 2025-10-18

SECTION 1: Identification

GHS Product identifier

Product name ERIOCHROME BLACK T

Other means of identification

Product Eriochrome Black T (Solochrome Black) (C.I. 14645) Product Code EL024

Recommended use of the chemical and restrictions on use

Indicator in the determination of total calcium and magnesium content in water, indicator (metals), dye analytical chemistry and laboratory reagent.

Supplier's details

Name ChemSupply Australia Pty Ltd
Address 38-50 Bedford Street
5013 Gillman South Australia
Australia

Telephone 08 8440 2000
email www.chemsupply.com.au

Emergency phone number

CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

SECTION 2: Hazard identification

General hazard statement

Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 7

- Hazardous to the aquatic environment, long-term (chronic), Cat. 2
- Serious eye damage/eye irritation, Cat. 2

GHS label elements, including precautionary statements

Pictograms

Safety Data Sheet

ERIOCHROME BLACK T

SDS no. WLLB72RL • Version 1.0 • Date of issue: 2025-10-18



Signal word

Warning

Hazard statement(s)

H319
H411

Causes serious eye irritation
Toxic to aquatic life with long lasting effects

Precautionary statement(s)

P264
P273
P280
P305+P351+P338

P337+P313
P391
P501

Wash hands thoroughly after handling.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Collect spillage.
Dispose of contents/container to an approved waste disposal facility

SECTION 3: Composition/information on ingredients

Substances

Molecular weight	461.39
-------------------------	--------

Component	Identification	Weight %	Classifications
1-Naphthalenesulfonic acid, 3-hydroxy-4-[2-(1-hydroxy-2-naphthalenyl)diazenyl]-7-nitro-, sodium salt (1:1)	CAS no.: 1787-61-7 EC no.: 217-250-3	100 %	

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice

First Aid Facilities: Maintain eyewash fountain in work area.

If inhaled

If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

In case of skin contact

Rinse with plenty of water. Get medical attention if irritation develops and persists.

In case of eye contact

Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. In all cases of eye contamination it is a sensible precaution to seek medical advice.

If swallowed

Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

Safety Data Sheet

ERIOCHROME BLACK T

SDS no. WLLB72RL • Version 1.0 • Date of issue: 2025-10-18

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of immediate medical attention and special treatment needed, if necessary

For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Small fire: Use dry chemical, CO₂, water spray or foam.

Large fire: Use water spray, fog or foam.

Specific hazards arising from the chemical

May liberate toxic fumes in fire including sulfur oxides and nitrogen oxides.

Special protective actions for fire-fighters

Wear SCBA and structural firefighter's uniform.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. For personal protection see section 8.

Methods and materials for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

Skin protection

Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Body protection

Footwear: Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.

Safety Data Sheet

ERIOCHROME BLACK T

SDS no. WLLB72RL • Version 1.0 • Date of issue: 2025-10-18

Body Protection: Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

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.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Solid
Appearance	Brownish-black powder with a faint metallic sheen.
Color	Brownish-black
Odor	Weak.
Odor threshold	
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit/ flammability limit	No data available.
Flash point	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
pH	~3.7 (10 g/l, H ₂ O, 20 °C)
Kinematic viscosity	No data available.
Solubility	Solubility in Water: Soluble. Solubility in Organic Solvents: Ethanol (20 °C): 2 g/l
Partition coefficient n-octanol/ water (log value)	Log P (o/w): 1.78
Vapor pressure	No data available.
Density and/or relative density	No data available.
Relative vapor density	No data available.
Particle characteristics	No data available.

Further safety characteristics (supplemental)

Other Information: Soluble in hot water giving a red-brown solution when cold. Violet-brown precipitate with excess HCl. Deep blue, the red in aqueous solution of NaOH. Soluble in concentrated H₂SO₄ giving a black-blue solution which yields a brown precipitate on dilution.

Safety Data Sheet

ERIOCHROME BLACK T

SDS no. WLLB72RL • Version 1.0 • Date of issue: 2025-10-18

SECTION 10: Stability and reactivity

Reactivity

Stable under normal conditions of storage and handling.

Chemical stability

Stable, dust explosion possible.

Possibility of hazardous reactions

Hazardous Polymerization: Will not occur.

Conditions to avoid

Avoid storing in direct sunlight and avoid extremes of temperature.

Incompatible materials

Strong oxidisers (violent reactions possible).

Hazardous decomposition products

Oxides of carbon, sulfur and nitrogen.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Acute Toxicity - Oral: LD50 (rat): 17,590 mg/kg.

Skin corrosion/irritation

Contact will cause discolouration of skin.

Serious eye damage/irritation

May cause mechanical irritation, resulting in redness

Respiratory or skin sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Specific target organ toxicity (STOT) - single exposure

Not classified based on available information.

Specific target organ toxicity (STOT) - repeated exposure

Not classified based on available information.

Aspiration hazard

Not classified based on available information.

Additional information

Other Information: The following applies to azo dyes in general:

Safety Data Sheet

ERIOCHROME BLACK T

SDS no. WLLB72RL • Version 1.0 • Date of issue: 2025-10-18

Azo dyes containing a carcinogenic arylamine component are suspected of possessing a carcinogenic potential. It is therefore recommended that the substance be handled as if it possessed the properties of the basis amine. Further hazardous properties cannot be excluded.

SECTION 12: Ecological information

Toxicity

Acute Toxicity - Fish: LC50 (P. promelas): 6 mg/l/96 h.

Acute Toxicity - Bacteria: EC50 (Bacteria): 10 - 100 mg/l.

Bioaccumulative potential

Behaviour in environmental compartments:

Distribution : log P(o/w): 1.78 (calculated)

No appreciable bioaccumulation potential is to be expected (log P(o/w) 1-3).

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers.

Sewage disposal

Behaviour in environmental compartments:

Distribution : log P(o/w): 1.78 (calculated)

No appreciable bioaccumulation potential is to be expected (log P(o/w) 1-3).

Other disposal recommendations

Do not discharge this material into waterways, drains and sewers.

SECTION 14: Transport information

ADG (Road and Rail)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Australia SUSMP

Poison Schedule: NS

SECTION 16: Other information

Further information/disclaimer

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by

Safety Data Sheet

ERIOCHROME BLACK T

SDS no. WLLB72RL • Version 1.0 • Date of issue: 2025-10-18

description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

Preparation information

All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. ChemSupply Australia Pty Ltd accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives.

Standard for the Uniform Scheduling of Medicines and Poisons, Commonwealth of Australia

National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'

Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', July 2020.

Safe Work Australia, 'National Guide for Classifying Hazardous Chemicals', July 2020.

Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants, December 2019

Safe Work Australia, Hazardous Chemical Information System (HCIS), hcis.safeworkaustralia.gov.au

IATA, Dangerous Goods Regulations (DGR)

IMO, International Maritime Dangerous Goods Code (IMDG)