



Infosafe No™ 1CHHU Issue Date : October 2020 RE-ISSUED by CHEMSUPP

Product Name **ERIOCHROME BLACK T**

Not classified as hazardous

1. Identification

GHS Product Identifier ERIOCHROME BLACK T

Company Name CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)

Address 38 - 50 Bedford Street GILLMAN
SA 5013 Australia

Telephone/Fax Number Tel: (08) 8440-2000

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

E-mail Address www.chemsupply.com.au

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.

Other Names**Name****Product Code**

ERIOCHROME BLACK T
Solochrome Black, Mordant Black 11, C.I.
14645, Chrome black T

EL024

Other Information

Chem-Supply 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 Chem-Supply 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 description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply 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.

2. Hazard Identification

GHS classification of the substance/mixture Classified as non-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 Dangerous Goods Code (ADG).

3. Composition/information on ingredients

| Ingredients | <u>Name</u> | <u>CAS</u> | <u>Proportion</u> |
|--------------------|--------------------|-------------------|--------------------------|
| | Eriochrome black T | 1787-61-7 | 100 % |

4. First-aid measures

Inhalation 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.

Ingestion 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.

Skin Wash with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

Eye contact Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. If rapid recovery does not occur, obtain medical attention

First Aid Facilities Maintain eyewash fountain and safety shower in work area.



| | | |
|--------------------|---------------------------|-----------------------|
| Infosafe No™ 1CHHU | Issue Date : October 2020 | RE-ISSUED by CHEMSUPP |
|--------------------|---------------------------|-----------------------|

Product Name **ERIOCHROME BLACK T**

Not classified as hazardous

Advice to Doctor Treat symptomatically based on judgement of doctor and individual reactions of the patient.

Other Information For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor at once.

5. Fire-fighting measures

Hazards from Combustion Products May liberate toxic fumes in fire including sulfur oxides and nitrogen oxides.

Specific Methods No limitations to the type of extinguishing media.
Small fire: Use dry chemical, CO₂, water spray or foam.
Large fire: Use water spray, fog or foam.

Precautions in connection with Fire Wear SCBA and structural firefighter's uniform.

6. Accidental release measures

Personal Precautions Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms. Evacuate the area of all non-essential personnel.

Personal Protection Wear protective clothing specified for normal operations (see Section 8)

Clean-up Methods - Small Spillages Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

Environmental Precautions Prevent from entering into drains, ditches, rivers or the sea.

7. Handling and storage

Precautions for Safe Handling Avoid substance contact and generation and inhalation of dust.

Conditions for safe storage, including any incompatibilities Store away from oxidizing agents. Store in cool place and out of direct sunlight. Keep container tightly closed and dry

8. Exposure controls/personal protection

Other Exposure Information No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m³. All atmospheric contamination should be kept to as low a level as is workable. These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Appropriate engineering controls Maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. When making up indicator solution, do so in the fume cupboard.

Respiratory Protection Usually is not required. Where protection is required from nuisance levels of dust or mists select respiratory protection that complies with AS 1716 - Respiratory Protective Devices and select in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels.

Eye 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.

Hand Protection Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.



| | | |
|--------------------|---------------------------|-----------------------|
| Infosafe No™ 1CHHU | Issue Date : October 2020 | RE-ISSUED by CHEMSUPP |
|--------------------|---------------------------|-----------------------|

Product Name **ERIOCHROME BLACK T**

Not classified as hazardous

| | |
|--------------------------------------|--|
| Personal Protective Equipment | Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards. |
| Footwear | Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use. |
| Body Protection | Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals. |
| Hygiene Measures | Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. |

9. Physical and chemical properties

| | |
|---|---|
| Form | Solid |
| Appearance | Brownish-black powder with a faint metallic sheen. |
| Odour | Weak. |
| Solubility in Water | Soluble. |
| Solubility in Organic Solvents | Ethanol (20 °C): 2 g/l |
| pH | ~3.7 (10 g/l, H ₂ O, 20 °C) |
| Partition Coefficient: n-octanol/water | Log P (o/w): 1.78 |
| Flammability | Combustible. |
| Molecular Weight | 461.39 |
| 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 H ₂ SO ₄ giving a black-blue solution which yields a brown precipitate on dilution. |

10. Stability and reactivity

| | |
|---|--|
| Chemical Stability | Light sensitive. Stable, dust explosion possible. |
| Incompatible Materials | Strong oxidisers (violent reactions possible). |
| Hazardous Decomposition Products | Oxides of carbon, sulfur and nitrogen. |
| Hazardous Polymerization | Will not occur. |

11. Toxicological Information

| | |
|----------------------------------|---|
| Toxicology Information | To the best of our knowledge, the toxicological properties of this material have not been fully investigated. |
| Acute Toxicity - Oral | LD50 (rat): 17,590 mg/kg. |
| Ingestion | Not available. |
| Inhalation | Not available. |
| Skin | Contact will cause discolouration of skin. |
| Eye | Not available. May cause mechanical irritation, resulting in redness |
| Respiratory sensitisation | Not classified based on available information. |



| | | |
|--------------------|---------------------------|-----------------------|
| Infosafe No™ 1CHHU | Issue Date : October 2020 | RE-ISSUED by CHEMSUPP |
|--------------------|---------------------------|-----------------------|

Product Name **ERIOCHROME BLACK T**

Not classified as hazardous

| | |
|-------------------------------|--|
| Skin Sensitisation | 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. |
| STOT-single exposure | Not classified based on available information. |
| STOT-repeated exposure | Not classified based on available information. |
| Mutagenicity | Not classified based on available information. |
| Other Information | The following applies to azo dyes in general: 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. |

12. Ecological information

| | |
|----------------------------------|--|
| Ecotoxicity | Toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment. |
| 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). |
| Environmental Protection | Do not allow to enter waters, waste water, or soil! |
| Acute Toxicity - Fish | LC50 (P. promelas): 6 mg/l/96 h. |
| Acute Toxicity - Bacteria | EC50 (Bacteria): 10 - 100 mg/l. |

13. Disposal considerations

| | |
|--------------------------------|---|
| Disposal Considerations | Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations. |
|--------------------------------|---|

14. Transport information

| | |
|------------------------------|--|
| Transport Information | Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. |
|------------------------------|--|

15. Regulatory information

| | |
|-------------------------------|---|
| Regulatory Information | All of the significant ingredients in this formulation are compliant with Australian Industrial Chemicals Introduction Scheme (AICIS) regulations. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. |
| Poisons Schedule | Not Scheduled |

16. Other Information

| | |
|------------------------------|--|
| Literature References | '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'. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand. Safe Work Australia, 'Hazardous Chemical Information System'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'. |
|------------------------------|--|



chem-supply

Safety Data Sheet

infosafe
CS: 3.4.14

Page: 5 of 5

Infosafe No™ 1CHHU Issue Date : October 2020 RE-ISSUED by CHEMSUPP

Product Name **ERIOCHROME BLACK T**

Not classified as hazardous

Contact Person/Point Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**
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. Chem-Supply 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.

Empirical Formula & Structural Formula C₂₀H₁₂N₃O₇S.Na

...End Of MSDS...

© 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 MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd. The compilation of MSDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

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