



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : E 41209
Product Name : Eriochrome black T

Manufacturer / supplier identification

Company : NICE Chemicals (P) Ltd. , Cochin , India
Tel - 0484 2800212 , 2802755

Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : Chrome black T
CAS-No : 1787-61-7 Ec-Index No. :
Molar Mass : 461.38 EC-No. : 217-250-3
Molecular Formula: $C_{20}H_{12} N_3 Na O_7 S$

3. HAZARDS IDENTIFICATION

Irritating to eyes. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

After inhalation: fresh air

After skin contact : Wash off with plenty of water .

Remove contaminated clothing



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After eye contact : rinse out with plenty of water with eyelids held open.
After swallowing : make victim drink plenty of water .summon doctor .

5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : powder, foam

Special risks : Combustible . Formation of hazardous combustion
gases in the event of fire.

Other information : Prevent fire fighting water from entering surface water or ground
water.

6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning/absorption : Take up dry. Forward for disposal. Clean up
affected area. Avoid generation of dusts.

Person – related precautionary measures:

Avoid generation of dusts, do not inhale dusts.

Avoid substance contact.

Environmental protection: Do not allow to enter

Sewage system

7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed . No further requirements

At +15 ° to +25 °C.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when dusts are generated .

Eye protection : required

Hand protection : required.

Protective clothing should be selected for the working place depending on concentration and quantity of the hazardous substance handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier

Industrial hygiene : Change contaminated clothing .

Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Solid
Colour	:	black
Odour	:	Weak
Melting temperature	:	not available
Boiling temperature	:	not available
pHvalue at 10 g/l H ₂ O(20 ⁰ C)	:	~3.7
Ignition temperature	:	Not available
Flash point	:	Not available
Explosion limits lower	:	Not available
Upper	:	Not available
Relative vapour density	:	Not available



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Density (20⁰ C) : Not available
Bulk density : ~400-600 Kg/m³
Solubility in water (20⁰C) : ~50 g/l
Ethanol (20⁰C) : ~2 g/l

10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available.

Substance to be avoided : No information available.

Hazardous decomposition products : No information available

Further Information: dust explosion possible.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : LD₅₀(oral , rat): 17590 mg/kg

Subacute to toxicity : Bacterial mutagenicity:

Salmonella typhimurium: positive. Ames- test : positive.

Further toxicological information

Skin irritation test (rabbit) : No irritation

Eye irritation test (rabbit) : irritation.

Property that cannot be anticipated on the basis of the

Chemical / physical data :

After inhalation of dusts: Slight irritations.

After eye contact: irritant effect.

After swallowing: Slight irritations.



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The following applies to aromatic nitro compounds in general: Systemic effects: methaemoglobinaemia with headache, cardiac dysrhythmia, drop in blood pressure, dyspnoea, and spasms: principal sign: cyanosis (blue discoloration of blood)

However, when the product is handled appropriately, hazardous effects are unlikely to occur.

12. ECOLOGICAL INFORMATION

Ecotoxic effects : Biological effects:

Toxic for aquatic organisms.

Fish Toxicity : *P. promelas* LC₅₀ : 6 mg/l/96 h.

Bacterial toxicity: bacteria EC₅₀: 10-100 mg/ l

Further ecological data : Do not allow to enter waters, waste water, or soil.

13. DISPOSAL METHOD

There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.



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Disposal in compliance with official regulations. Handle contaminated packaging as in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. TRANSPORT INFORMATION

Transport over land

ADR/RID and GGVS/GGVE : GGVS/GGVE class : 9 Number and letter: 12 c
ADR/RID class : 9 Number and letter: 12 c

Name of material : **ERIOCHROME BLACK T**

River transport AND/ADNR: Not examined

Sea transport IMDG : IMDG class: UN –No.: Packaging group:
Ems : MFAG:
Correct technical name: **ERIOCHROME BLACK T**

Air transport

ICAO-TI and IATA-DGR: ICAO/IATA class: 9 UN/ID-No.: 3077 Packaging group: III
Correct technical name: **ERIOCHROME BLACK T**



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15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xi Irritant
N Dangerous for the environment.

R- Phrases :36-51/53 Irritating to eyes. Toxic to aquatic organisms, may cause adverse effects in the aquatic environment.

S-phrases : 26-61 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice .Avoid release to the environment.

Water pollution class : 2 (polluting substance)

16. OTHER INFORMATION

Reason for alteration

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
