



# UNISOURCE CHEMICALS PRIVATE LIMITED

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## ERIOCHROME BLACK T

### Material Safety Data Sheet

#### **1. PRODUCT IDENTIFICATION:**

**Synonyms:** Moderate Black II; CI 14645; Eriochrome Black T Supra; Mordant Black 11

**CAS No.:** 1787-61-7.

**Molecular Weight:** 461.38.

**Chemical Formula:** C<sub>20</sub>H<sub>12</sub>O<sub>7</sub>N<sub>3</sub>Na.

#### **2. COMPOSITION / INFORMATION ON INGREDIENTS:**

<b><u>Chemical Name</u></b>	<b><u>CAS No.</u></b>	<b><u>Percent</u></b>	<b><u>Hazardous</u></b>
Eriochrome Black T	1787-61-7	90-100%	No

#### **3. HAZARDS IDENTIFICATION:**

##### **Emergency Overview**

**Appearance:** Black crystalline powder. **WARNING!** May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

**Target Organs:** Eyes

##### **Potential Health Effects**

The toxicological properties of this material have not been fully investigated.

**Eyes:** Causes eye irritation.

**Skin:** May cause skin irritation

**Ingestion:** May cause irritation of the digestive tract.

**Inhalation:** May cause respiratory tract irritation.

**Chronic Exposure:** Prolonged or repeated skin contact may cause dermatitis.

#### **4. FIRST AID MEASURES:**

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**Skin:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothes and shoes. Get medical attention if irritation develops or persists

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls water or milk to drink. **DO NOT** induce vomiting. **NEVER** give anything by mouth to an unconscious person. Get medical attention if irritation or symptoms appears.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration Get medical attention for any breathing difficulty.

## **5. FIRE FIGHTING MEASURES:**

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved or equivalent, and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use water spray to cool fire expose containers. Use agent must appropriate to extinguish fire.

**Flash Point:** Not applicable.

**Auto-ignition Temperature:** Not applicable.

**Explosion Limits, Lower / Upper:** Not available.

**NFPA Rating:** (estimated) Health: 1; Flammability: 0; Instability: 0.

## **6. ACCIDENTAL RELEASE MEASURES:**

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills:** Vacuum or sweep up material and place into a suitable disposal container. Vacuuming or wet sweeping may be used to avoid dust dispersal. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

## **7. HANDLING AND STORAGE:**

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION:**

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### **Exposure Limits**

<b><u>Chemical Name</u></b>	<b><u>ACGIH</u></b>	<b><u>NIOSH</u></b>	<b><u>OSHA –Final PELs</u></b>
Eriochrome Black T	None listed	None listed	None listed

**OSHA Vacated PELs:** Eriochrome Black T: No OSHA Vacated PELs are listed for this chemical.

### **Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN 166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing (Lab coat) to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator whenever work place conditions warrant respirator use.

## **9. PHYSICAL AND CHEMICAL PROPERTIES:**

**Physical State:** Crystalline powder

**Appearance:** Black powder.

**Odor:** Odorless.

**Solubility:** Moderate solubility in water.

**Specific Gravity:** No information found.

**pH:** No information found.

**Boiling Point:** Not applicable.

**Melting point:** No information found.

**Vapor Density (Air=1):** No information found.

**Vapor Pressure (mm Hg):** No information found.  
**Evaporation Rate (BuAc=1):** No information found.  
**Viscosity:** Not available.  
**Decomposition Temperature:** Not available.

#### **10. STABILITY AND REACTIVITY:**

**Chemical Stability:** Stable under ordinary conditions of use and storage.  
**Conditions to Avoid:** Incompatible material, dust generation, excess heat.  
**Incompatibilities with Other Material:** Strong oxidizing agents.  
**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, sulfur oxides, and nitrogen oxides.  
**Hazardous Polymerization:** Will not occur.

#### **11. TOXICOLOGICAL INFORMATION:**

##### **RTECS:**

CAS#1787-61-7: QK2197000

##### **LD50/LC50:**

CAS#1787-61-7:

Oral Rat: LD50 = 17590 mg/kg.

**Carcinogenicity:** CAS#1787-61-7: Not listed by ACGIH, IARC, IIOSH, NTP, or OSHA.

**Epidemiology:** No information found.

**Teratogenicity:** No information found.

**Reproductive Effects:** No information found.

**Mutagenicity:** No information found.

**Neurotoxicity:** No information found.

#### **12. ECOLOGICAL INFORMATION:**

**Environmental Fate:** No information available

**Environmental Toxicity:** No data available.

#### **13. DISPOSAL CONSIDERATIONS:**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

#### **14. TRANSPORT REGULATIONS:**

Not regulated.

#### **15. REGULATORY INFORMATION:**

##### **US FEDERAL**

##### **TSCA**

CAS#1787-61-7 is listed on the TSCA inventory.

**Health & Safety Reporting List:** None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules:** None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b:** None of the chemicals are listed under TSCA Section 12b.

**TSCA Significant New Use Rule:** None of the chemicals in this material have a SNUR under TSCA.

**CERCLA Hazardous Substances and corresponding RQs:** None of the chemicals in this material have an RQ.

**SARA Section 302 Extremely Hazardous Substances:** None of the chemicals in this product have a TPQ.

**Section 313** No chemicals are reportable under Section 313.

**Clean Air Act** This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

**Clean Water Act** None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA** None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE CAS#1787-61-7** is not present on state lists from CA, PA, MN, MA, FL, or NJ.

**California No Significant Risk Level:** None of the chemicals in this product are listed.

## **EUROPEAN/INTERNATIONAL REGULATIONS**

### **European Labeling in Accordance with EC Directives**

**Hazardous Symbols:** XI

**Risk Phrases:** R 36 Irritating to eyes

**Safety Phrases:**

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 29 Wear eye/face protection.

**WGK (Water Danger/Protection)**

CAS#1787-61-7: 2

**Canada – DSL/NDSL**

CAS#1787-61-7 is listed on Canada’s DSL List.

**Canada – WHMIS**

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by those regulations.

CAS#1787-61-7 is note listed on Canada’s Ingredient Disclosure List.

**Exposure Limits**

## **16. DISCLAIMER INFORMATION:**

### **DISCLAIMER:**

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