



## Material Safety Data Sheet Eriochrome black T in NaCl

### Section 1 - Chemical Product and Company Identification

**MSDS Name:**

Eriochrome black T in NaCl

**Catalog Numbers:**

LC14050

**Synonyms:**

Dry form indicator for total hardness, water; ASTM D1126

**Company Identification:**

LabChem, Inc.  
200 William Pitt Way  
Pittsburgh, PA 15238

**Company Phone Number:**

(412) 826-5230

**Emergency Phone Number:**

(800) 424-9300

**CHEMTREC Phone Number:**

(800) 424-9300

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7647-14-5	Sodium chloride	99.5
1787-61-7	Eriochrome black T	0.5

### Section 3 - Hazards Identification

#### Emergency Overview

**Appearance:** *Brown-purple***Caution!** *May cause eye and skin irritation.***Target Organs:** *None known.***Potential Health Effects****Eye:**

Causes redness, pain, and irritation.

**Skin:**

May cause skin irritation.

**Ingestion:**

In large doses, may produce nausea, vomiting, muscular twitching, rigidity, convulsions.  
Dehydration and congestion occur in most internal organs, particularly the meninges and brain.

**Inhalation:**

Inhalation of dust causes irritation of the nose and throat, coughing and sneezing.

**Chronic:**

Exposure may result in mucous membrane irritation, dermatitis, conjunctivitis.



## Material Safety Data Sheet Eriochrome black T in NaCl

### Section 4 - First Aid Measures

**Eyes:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

**Skin:**

Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

**Ingestion:**

Give conscious victim 2-4 cupfuls of milk or water. Get medical aid at once. Induce vomiting (touch finger to back of throat) keeping head lower than hips (prevent aspiration into lungs).

**Inhalation:**

Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest. Move victim to fresh air.

**Notes to Physician:**

Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

**General Information:**

Negligible fire and explosion hazard when exposed to heat or flame. Move container if possible, avoid breathing vapors or dust.

**Extinguishing Media:**

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

**Autoignition Temperature:**

No information found.

**Flash Point:**

No information found.

**NFPA Rating:**

CAS# 7647-14-5: Not published.

CAS# 1787-61-7: Not published.

**Explosion Limits:**

Lower:                      Upper:

### Section 6 - Accidental Release Measures

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal. Area may be washed down with water.



## Material Safety Data Sheet Eriochrome black T in NaCl

### Section 7 - Handling and Storage

**Handling:**

Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas.

**Storage:**

Store capped at room temperature. Protect from heat and incompatibles.

### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Provide local exhaust or general dilution ventilation.

**Exposure Limits:**

Chemical Name:	ACGIH	NIOSH	OSHA
Sodium chloride	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Eriochrome black t	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.

**OSHA Vacated PELs:**

#### Personal Protective Equipment

**Eyes:**

Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear splash-proof safety goggles.

**Skin:**

Wear appropriate protective gloves to prevent skin exposure.

**Clothing:**

Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**

Not required for normal use. Firefighting-- any self-contained breathing apparatus with full facepiece operated in pressure-demand mode.

### Section 9 - Physical and Chemical Properties

<b>Physical State:</b>	Powder
<b>Color:</b>	Brown-purple
<b>Odor:</b>	Odorless
<b>pH:</b>	No information found.
<b>Vapor Pressure:</b>	1 mm Hg @865°C
<b>Vapor Density:</b>	No information found.
<b>Evaporation Rate:</b>	No information found.
<b>Viscosity:</b>	No information found.
<b>Boiling Point:</b>	No information found.
<b>Freezing/Melting Point:</b>	No information found.
<b>Decomposition Temperature:</b>	No information found.
<b>Solubility in water:</b>	Soluble.
<b>Specific Gravity/Density:</b>	~ 2.2



## Material Safety Data Sheet Eriochrome black T in NaCl

**Molecular Formula:** No information found.  
**Molecular Weight:** No information found.

### Section 10 - Stability and Reactivity

**Chemical Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

Incompatible materials.

**Incompatibilities with Other Materials:**

Lithium, corrosive to building materials.

**Hazardous Decomposition Products:**

Oxides of nitrogen, oxides of sulfur.

**Hazardous Polymerization:**

Has not been reported.

### Section 11 - Toxicological Information

**RTECS:**

CAS# 7647-14-5: VZ4725000.

CAS# 1787-61-7 unlisted.

**LD50/LC50:**

CAS# 7647-14-5:

Oral, mouse: LD50 = 4 gm/kg

Oral, rat: LD50 = 3 gm/kg.

CAS# 1787-61-7:

No information found.

**Carcinogenicity:**

CAS# 7647-14-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 1787-61-7: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

**Epidemiology:**

Sodium chloride - moderately toxic by oral, subcutaneous, intraperitoneal and intravenous routes (poisoning affects blood pressure). Skin, eye, mucous membrane irritant.

**Teratogenicity:**

**Reproductive:**

**Mutagenicity:**

**Neurotoxicity:**

### Section 12 - Ecological Information

No information found.



## Material Safety Data Sheet Eriochrome black T in NaCl

### Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

### Section 14 - Transport Information

#### US DOT

**Shipping Name:** Not regulated.

**Hazard Class:**

**UN Number:**

**Packing Group:**

### Section 15 - Regulatory Information

#### US Federal

##### TSCA:

CAS# 7647-14-5 is listed on the TSCA Inventory.

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

##### SARA Reportable Quantities (RQ):

CAS# None of the components are on this list.

##### CERCLA/SARA Section 313:

None of the components are on this list.

##### OSHA - Highly Hazardous:

None of the components are on this list.

#### US State

##### State Right to Know:

##### California Regulations:

#### European/International Regulations

##### Canadian DSL/NDSL:

CAS# 7647-14-5 is listed on Canada's DSL List.

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

##### Canada Ingredient Disclosure List:

CAS# 7647-14-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 1787-61-7 is not listed on Canada's Ingredient Disclosure List.

### Section 16 - Other Information

MSDS Creation Date: February 9, 1998

Revision Date: August 25, 2008



## **Material Safety Data Sheet Eriochrome black T in NaCl**

*Information in this MSDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and LabChem Inc. assumes no liability resulting from the use of this MSDS. The user must determine suitability of this information for his application.*