



Material Safety Data Sheet Eriochrome Black T in Methoxyethanol

Section 1 - Chemical Product and Company Identification

MSDS Name:

Eriochrome Black T in Methoxyethanol

Catalog Numbers:

LC14040

Synonyms:

None

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 or
011-703-527-3887

Section 2 – Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
109-86-4 2-	Methoxyethanol	balance
1787-61-7	Eriochrome Black T	0.5

Section 3 - Hazards Identification

Emergency Overview

Appearance: Maroon solution

Warning! Flammable. May form explosive peroxides. May cause irritation by all exposure routes. May cause central nervous system effects and blood abnormalities. May impair fertility. May cause harm to the unborn child.

Target Organs: Blood, central nervous system, reproductive system.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion:

May cause gastrointestinal irritation with nausea, vomiting, and diarrhea. May be harmful if swallowed. Ingestion of large amounts may cause central nervous system depression.



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Inhalation:

May cause respiratory tract irritation. May cause liver and kidney damage, anemia, drowsiness, unconsciousness, and central nervous system depression.

Chronic:

May cause kidney injury. Repeated exposure may cause central nervous system damage. May cause adverse reproductive system effects.

Section 4 - First Aid Measures

Eyes:

Immediately 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:

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

Ingestion:

Give conscious victim 2-4 cupfuls of milk or water. Get medical aid at once.

Inhalation:

Move victim to fresh air immediately. Give artificial respiration if necessary. Get medical aid.

Notes to Physician:

Treat symptomatically and supportively.

Section 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. Vapors may form an explosive mixture with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. May form explosive peroxides. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.

Extinguishing Media:

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

Autoignition Temperature:

285°C (545°F)

Flash Point:

38°C (100°F)

NFPA Rating:

CAS# 109-86-4: Health-2; Flammability-2; Instability-0

CAS# 1787-61-7: Not published.

Explosion Limits:

Lower: 2.3 Upper: 24.5

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.



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Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container labeled for disposal. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors.

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Avoid breathing vapor.

Storage:

Keep away from heat, sparks and flame. Keep container tightly closed. Store capped at room temperature. Protect from heat and incompatibles.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Provide local exhaust or general dilution ventilation to control airborne levels below recommended exposure limits.

Exposure Limits:

Chemical Name:	ACGIH	NIOSH	OSHA
2-Methoxyethanol	0.1 ppm TWA; 0.3 mg/m ³ TWA; skin - potential for cutaneous absorption	0.1 ppm TWA; 0.3 mg/m ³ TWA; 200ppm IDLH	25 ppm TWA 80 mg/m ³ TWA
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:

2-methoxyethanol: 25 ppm TWA; 80 mg/m³ TWA

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:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.



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Section 9 - Physical and Chemical Properties

Physical State:	Clear liquid
Color:	Maroon
Odor:	Ethereal odor
pH:	No information found.
Vapor Pressure:	6 mm Hg @ 20C
Vapor Density:	2.62 (air = 1)
Evaporation Rate:	0.5 (Butyl acetate =1)
Viscosity:	1.98 cps @ 20 C
Boiling Point:	124°C (255°F)
Freezing/Melting Point:	-85°C (-121°F)
Decomposition Temperature:	No information found.
Solubility in water:	Soluble.
Specific Gravity/Density:	0.96 g/ml
Molecular Formula:	No information found.
Molecular Weight:	No information found.

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures. May form peroxides.

Conditions to Avoid:

Incompatible materials, excess heat, sources of ignition.

Incompatibilities with Other Materials:

Oxidizing materials, alkalis.

Hazardous Decomposition Products:

Oxides of nitrogen, oxides of sulfur, oxides of carbon.

Hazardous Polymerization:

Has not been reported.

Section 11 - Toxicological Information

RTECS:

CAS# 109-86-4: KL5775000.

CAS# 1787-61-7: unlisted.

LD50/LC50:

CAS# 109-86-4:

Inhalation, rat: LC50 =1500 ppm/7H

Oral, rat: LD50 = 2370 mg/kg

Skin, rabbit: LD50 = 1280 mg/kg.

CAS# 1787-61-7:

No information found.

Carcinogenicity:

CAS# 109-86-4: 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.



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Epidemiology:

No information found

Teratogenicity:

No information found

Reproductive:

No information found

Mutagenicity:

No information found

Neurotoxicity:

No information found

Section 12 - Ecological Information

No information found

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

US DOT

Shipping Name: Ethylene glycol monomethyl ether

Hazard Class: 3

UN Number: UN1188

Packing Group: PG III

Section 15 - Regulatory Information

US Federal**TSCA:**

CAS# 109-86-4 is listed on the TSCA Inventory.

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

SARA Reportable Quantities (RQ):

None of the components are on this list.

CERCLA/SARA Section 313:

This material contains 2-methoxyethanol (CAS# 109-86-4, 99.5%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

OSHA - Highly Hazardous:

None of the components are on this list.

US State**State Right to Know:**

2-Methoxyethanol can be found on the following state Right-to-Know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.



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California Regulations:

WARNING: This product contains 2-methoxyethanol, a chemical known to the state of California to cause birth defects or other reproductive harm.

European/International Regulations

Canadian DSL/NDSL:

CAS# 109-86-4 is listed on Canada's DSL List.

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

Canada Ingredient Disclosure List:

CAS# 109-86-4 is 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: October 4, 1998

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