



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:

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
109-86-4	2-methoxyethanol	balance
1787-61-7	Eriochrome black t	0.5

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: Darkblue

Caution! May cause irritation by all exposure routes. Flash Point: 39°C.

Target Organs: Noneknown.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion:

Ingestion may cause irritation to digestive tract, nausea, vomiting, kidney failure.



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Inhalation:

May cause respiratory tract irritation.

Chronic:

May cause kidney injury. Repeated exposure may cause central nervous system damage. May cause dermatitis and conjunctivitis.

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. If victim is unconscious, medical personnel should remove by gastric lavage or emesis.

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:

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

Extinguishing Media:

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

Autoignition Temperature:

285°C (545.00°F)

Flash Point:

39°C (102.20°F)

NFPA Rating:

CAS # 109-86-4 health-2; flammability-2; reactivity-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.

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.



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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
2-methoxyethanol	5 ppm TWA; skin - potential for cutaneous absorption	0.1 ppm TWA; 0.3 mg/m ³ TWA	25 ppm TWA; 80 mg/m ³ TWA; prevent or reduce skin absorption;
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

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:

Not required for normal use. Fire fighting--any self-contained breathing apparatus with full face piece operated in pressure-demand mode.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid

Color: Dark blue

Odor: Odorless

pH: No information found.

Vapor Pressure: 6 mm Hg @ 20C

Vapor Density: 2.6

Evaporation Rate: 0.5 (Bu ether=1)

Viscosity: No information found.



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Boiling Point: 124°C (255.20°F)

Freezing/Melting Point: -85°C (-121.00°F)

Decomposition Temperature: No information found.

Solubility in water: Soluble.

Specific Gravity/Density: 0.97

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 in the absence of inhibitors.

Conditions to Avoid:

Incompatible materials, open flames.

Incompatibilities with Other Materials

Oxidizing materials.

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, mouse: LC50 = 1480 ppm/7H

Inhalation, rat: LC50 = 1500 ppm/7H

Oral, mouse: LD50 = 2560 mg/kg

Oral, rabbit: LD50 = 890 mg/kg

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:
Teratogenicity:
Reproductive:
Mutagenicity:
Neurotoxicity:

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: Flammable liquid, n.o.s.
(Ethyleneglycolmonomethyl ether)

Hazard Class: 3

UN Number: UN1993

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, balance%), 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.

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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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