



Material Safety Data Sheet

Methyl purple indicator solution

Section 1 - Chemical Product and Company Identification

MSDS Name:

Methyl purple indicator solution

Catalog Numbers:

LC17070

Synonyms:

Methyl purple, ASTM

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
7732-18-5	Water	balance
67-63-0	Isopropyl alcohol	15
3486-30-4	alphazurin A	0.0568
845-10-3	Methyl red sodium salt	0.03

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: Dark greenish-purple

Caution! May cause eye and skin irritation. May be absorbed through the skin.

Target Organs: None known.

Potential Health Effects

Eye:

May cause eye irritation.



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Skin:

May cause mild skin irritation. May be absorbed through the skin. If absorbed, may cause central nervous system depression.

Ingestion:

Abdominal pain, nausea, vomiting, hemorrhage; central nervous system depressant, may lead to coma and death from respiratory paralysis.

Inhalation:

Central nervous system depression, respiratory irritation, dizziness, nausea, vomiting, headache, incoordination, refractory narcosis, areflexia, flushing; severe exposure may result in coma, death from respiratory arrest.

Chronic:

Dermatitis, conjunctivitis with corneal damage may occur.

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:

Get medical aid at once. Give oxygen if respiration is depressed. 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. Avoid breathing vapors, use approved respirator if necessary. Vapors heavier than air, may travel considerable distance and flash back from source of ignition. 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:

N/A

Flash Point:

N/A

NFPA Rating:

CAS# 7732-18-5: Not published.

CAS # 67-63-0 health-1; flammability-3; reactivity-0

CAS# 3486-30-4: Not published.

CAS# 845-10-3: Not published.



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Explosion Limits:

Lower: N/A Upper: N/A

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.

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
Water	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Isopropyl alcohol	(400 ppm) TWA;(500ppm) STEL	400 ppm TWA; 980 mg/m3 TWA	400 ppm TWA; 980 mg/m3 TWA;
alphazurin A	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Methyl red sodium salt	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

Isopropyl alcohol: 400 ppm TWA; 980 mg/m3 TWA

Isopropyl alcohol: 400 ppm TWA; 980 mg/m3 TWA

Isopropyl alcohol: 400 ppm TWA; 980 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.



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Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Not required for normal use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: Dark greenish-purple

Odor: Alcohol-like

pH: No information found.

Vapor Pressure: No information found.

Vapor Density: No information found.

Evaporation Rate: No information found.

Viscosity: No information found.

Boiling Point: No information found.

Freezing/Melting Point: No information found.

Decomposition Temperature: No information found.

Solubility in water: Soluble.

Specific Gravity/Density: No information found.

Molecular Formula: No information found.

Molecular Weight: No information found.

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures. Methyl red is easily reduced.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials

Oxidizing agents, hydrogen peroxides, oleum, phosgene, nitroform, trinitromethane, metal alkyls.

Hazardous Decomposition Products

Oxides of carbon.

Hazardous Polymerization

Has not been reported

Section 11 - Toxicological Information

RTECS:

CAS# 7732-18-5: ZC0110000.

CAS# 67-63-0: NT8050000.

CAS# 3486-30-4: DA4427950.

CAS# 845-10-3 unlisted.



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LD50/LC50:

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

CAS# 67-63-0:

Oral, mouse: LD50 = 3600 mg/kg

Oral, rabbit: LD50 = 6410 mg/kg

Oral, rat: LD50 = 5045 mg/kg

Skin, rabbit: LD50 = 12800 mg/kg.

CAS# 3486-30-4:

No information found. CAS# 845-10-3:

No information found.

Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 67-63-0

ACGIH: Not listed.

California: Not listed.

NIOSH: Not listed.

NTP: Not listed.

OSHA: Not listed.

IARC: Group 3

CAS# 3486-30-4: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 845-10-3: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Epidemiology:

Isopropanol is a skin and mucous membrane irritant, a severe eye irritant; central nervous system depressant;

Mutagenic/Reproductive

effects data - RTECS; poisoning may affect kidneys.

(Workers manufacturing isopropanol by the strong acid process showed increased paranasal and laryngeal cancer.)

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: Non regulated.

Hazard Class:

UN Number:



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Packing Group:

Section 15 - Regulatory Information

US Federal

TSCA

CAS# 7732-18-5 is listed on the TSCA Inventory.

CAS# 67-63-0 is listed on the TSCA Inventory.

CAS# 3486-30-4 is listed on the TSCA Inventory.

CAS# 845-10-3 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 Isopropyl alcohol (CAS# 67-63-0, 15%), 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

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

California Regulations

European/International Regulations

Canadian DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 67-63-0 is listed on Canada's DSL List.

CAS# 3486-30-4 is listed on Canada's DSL List.

CAS# 845-10-3 is listed on Canada's DSL List.

Canada Ingredient Disclosure List

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 67-63-0 is listed on Canada's Ingredient Disclosure List.

CAS# 3486-30-4 is not listed on Canada's Ingredient Disclosure List.

CAS# 845-10-3 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: November 18, 1997

Revision Date: March 13, 2007



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