

MATERIAL SAFETY DATA SHEET

Methylene Blue Solution 1 ml = 0.01 ME (AF Grade)

SECTION 1 . Product and Company Identification

Product Name and Synonym: Methylene Blue Solution 1 ml = 0.01 ME (AF Grade)

Product Code: 200-07-5-1

Material Uses:
Manufacturer: OFI Testing Equipment, Inc.
11302 Steeplecrest Drive
Houston, TX 77065 USA
Phone: (713) 880-9885
Fax: (713) 880-9886

Entry Date : 3/4/2009

Print Date: 7/29/2010

24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	1			
Flammability:	1			
Reactivity:	0			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA = Not Applicable		NE = Not Established		

SECTION 2 HAZARD IDENTIFICATION

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

Emergency Overview: May Be Harmful if Swallowed. Can Cause Skin and Eye Irritation.

Inhalation: No Adverse Health Effects Expected from Inhalation.

Ingestion: Substance has low toxicity by ingestion. Large doses may cause stomach upset.

Skin: Not Expected to be a Health Hazard. May Cause Slight Irritation.

Eye Contact: Splashes may Cause Irritation.

Chronic Exposure: No Information Found.

Aggravated by Exposure: No Information Found.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	1,2-Propanediol (Propylene Glycol)	CAS# 57-55-6	35%	V/V	
<input type="checkbox"/>	Methylene Blue C.I. 52015	CAS# 7220-79-3	<1%	W/V	None Established
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

SECTION 4 FIRST AID MEASURES

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

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INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Carbon Dioxide, dry chemical powder or appropriate foam
Fire / Explosion Hazards: Material will burn in a fire.
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Eliminate Ignition Sources. Absorb with vermiculite or other inert material. Place in container.
Ventilate Area of Leak or Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Contain and Recover Liquid when Possible. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth), and Place in a Chemical Waste Container. Do Not Use Combustible Materials, such as Saw Dust. Dilute with Water and Flush to Sewer if Local Ordinances allow, Otherwise, Whatever Cannot be saved for recovery or recycling should be managed in an appropriate and approved waste Disposal Facility.
Processing, use or Contamination of this product may change the waste management options.
State and Local Disposal Regulations may Differ from Federal Disposal Regulations. Dispose of Container and Unused Contents in Accordance with Federal, State and Local Requirements.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required
Ventilation
Local Exhaust
Mechanical
Protective Gloves: Gloves to prevent skin exposure as rubber or vinyl
Eye Protection: Splash Goggles
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	Information not available	Percent Volatile by Volume:	~ 64%
Boiling Point:	Information not available	Evaporation Rate	Information not available

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Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not Available
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not Available
Appearance /Odors:	Clear blue liquid with mild odor	Upper Flamm. Limit in Air	Not Available
Flash Point:	Information not available		
Specific Gravity:	Information not available		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	Avoid contact with heat, sparks, flames, or other sources of ignition.
Materials to Avoid:	Acids, Oxidizers
Hazardous Decomposition Products:	Oxides of Carbon
Hazardous polymerization:	Not expected to occur
Conditions to Avoid:	None known

SECTION 11 Toxicological Information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- None

SECTION 12 Ecological Information

No Information Found.

SECTION 13 Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 Transport Information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

Chemical Inventory Status –
 Part 1:Ingredient TSCA EC Japan Australia
 Methylene Blue (61-73-04)Yes Yes Yes Yes

Chemical Inventory Status –
 Part 2:Ingredient Korea DSL NDSL Phil.
 Methylene Blue (61-73-04)Yes Yes NO Yes

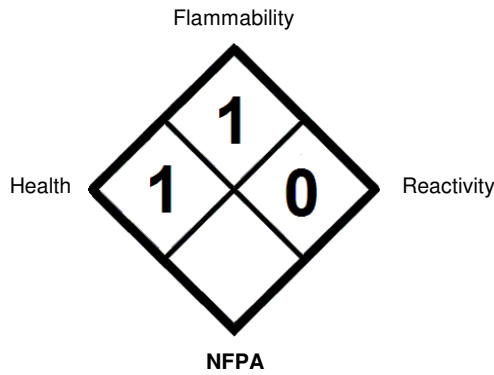
Federal, State & International Regulations –
 Part 1: Ingredient RQ TPQ List ChemCatg.
 Methylene Blue (61-73-04)NO NO YES NO

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Federal, State &
 International Regulations –
 Part 2:Ingredient CERCLA 261.33 8(d)
 Methylene Blue (61-73-04) No No No
 Chemical Weapons Convention: No
 TSCA 12 (b):No
 CDTA:No
 SARA 311/312: Acute: Yes
 Chronic NO
 Fire: NO
 Pressure: No
 Reactivity: No MIXTURE/LIQUID)
 Australian Hazchem NONE ALLOCATED
 Poison Schedule:NONE ALLOCATED

SECTION 16 Additional Information

Effects of overexposure. Acute and chronic: Harmful by inhalation, ingestion, skin absorption. May cause eye and skin irritation and central nervous system problems. May cause GI disturbances, nausea, headache and vomiting. Target organs: None. Persons with pre-existing disorders may be more susceptible.



Revisions

7/29/2010	0.1	updated msds to 16 section from 10 section msds. STN
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