

# MATERIAL SAFETY DATA SHEET

Methylene Blue Solution 1 ML = 0.01 ME

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Methylene Blue Solution 1 ML = 0.01 ME

Product Code: 200-07-5

Material Uses:

Manufacturer:

OFI Testing Equipment, Inc.  
11302 Steeplecrest Drive  
Houston, TX 77065 USA  
Phone: (713) 880-9885  
Fax: (713) 880-9886  
3/4/2009

Entry Date :

Print Date:

24 Hour Emergency Assistance :

Chemtrec 800-424-9300  
Canutec 613-996-6666

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

## SECTION 2 HAZARD IDENTIFICATION

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. Keep container closed.

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"/>	Methylene Blue	CAS# 7220-79-3	Balance	W/W	None Established
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	<1%	W/V	None Established

## SECTION 4 FIRST AID MEASURES

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. Keep container closed.

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

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of

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water. Never give anything by mouth to an unconscious person.

**SECTION 5 FIRE FIGHTING MEASURES**

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire  
Fire / Explosion Hazards: None Known.  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Absorb spill with inert material. Flush excess down drain.  
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**

This Material is not considered hazardous. Store in a cool, dry place. Handle using safe laboratory practices.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	~ 0 Deg C	Percent Volatile by Volume:	> 99%
Boiling Point:	~ 100 Deg C	Evaporation Rate	1
Vapor Pressure:	Information not available	Evaporation Standard	Water = 1
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable

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Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Clear dark Blue odorless liquid	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Not flammable		
Specific Gravity:	1.0		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability:	Stable
Conditions to Avoid:	None known
Materials to Avoid:	Concentrated acids and bases, water-reactive materials.
Hazardous Decomposition Products:	Not known to occur
Hazardous polymerization:	Will Not 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

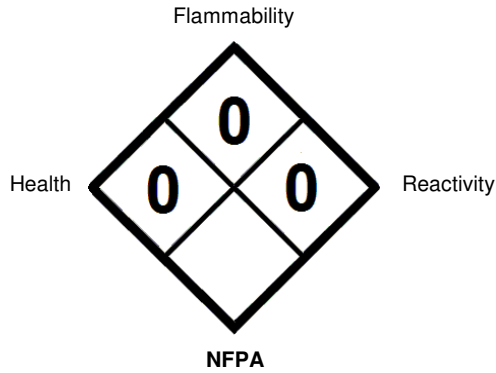
Federal, State &  
International Regulations –  
Part 2:Ingredient CERCLA 261.33 8(d)  
Methylene Blue (61-73-04) No No No  
Chemical Weapons Convention: No  
TSCA 12 (b):No  
CDTA:No  
SARA 311/312: Acute: Yes  
Chronic NO

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Fire: NO  
Pressure: No  
Reactivity: No (MIXTURE/LIQUID)  
Australian Hazchem NONE ALLOCATED  
Poison Schedule: NONE ALLOCATED

**SECTION 16 Additional Information**

Although this is not considered a hazardous solution, use accepted lab handling practices.



**Revisions**

7/29/2010	0.1	updated msds to 16 section from 10 section msds. STN
	0	

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