

SECTION I NAME

24 HOUR EMERGENCY ASSISTANCE

Product	Methylene Blue Solution, 1% (aq)
Chemical Synonyms	
Formula	See Section II
RTECS #	—
C.A.S. No.	See Section II

CHEMTREC 800-424-9300 Day (312) 468-3700	HEALTH	1		
	FLAMMABILITY	0		
	REACTIVITY	0		
HAZARD RATING				
LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	TLV Units
NA = Not Applicable Methylene Blue CAS#61-73-4	1.0	NE
NE = None Established Water	balance	

SECTION III PHYSICAL DATA

Melting Point (°F)	-0°C	Specific Gravity (H₂O = 1)	-1
Boiling Point (°F)	-100°C	Percent Volatile by Volume (%)	NA
Vapor Pressure (mm Hg)	NA	Evaporation Rate (= 1)	NA
Vapor Density (Air = 1)	NA		
Solubility in Water	NA		
Appearance and Odor	Clear blue solution, no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	NA	Flammable Limits in Air % by Volume	Lower	Upper
Extinguisher Media	Use any medium suitable for extinguishing supporting fire.			

SPECIAL FIREFIGHTING PROCEDURES

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Not considered to be a fire hazard. Not considered to be an explosion hazard.

D.O.T. Not Regulated

Approved by U.S. Department of Labor "essentially similar" to form OSHA-174

SECTION V HEALTH HAZARD DATA

Threshold Limited Value See Section II.

Effects of Overexposure

Acute: Possible irritation to eyes and GI tract. Stains skin. Chronic: None known.

Emergency and First Aid Procedures

Skin: Wash exposed area with soap and water. Get medical advice if irritation develops. Eyes: Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. Inhalation: Not expected to require first aid measures. Ingestion: If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician immediately.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	None
	Stable	X	
Incompatibility (Materials to avoid)	Strong acids, strong bases, oxidizers.		
Hazardous Decomposition Products	None known.		
Hazardous Polymerization	Conditions to Avoid	None	
May Occur	Will Not Occur		
	X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Dilute with excess water.

Waste Disposal Method Flush to drain with excess water.

Discharge, treatment, or disposal may be subject to federal, state, or local laws.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed normally		
Ventilation	Local Exhaust	X	Special
	Mechanical (General)	X	Other
Protective Gloves	Vinyl or Rubber	Eye Protection	Goggles
Other Protective Equipment	Lab coat		

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing Store in a cool dry location.
Keep container tightly closed when not in use.

Other Precautions Read label on container before using.

Conditions Aggravated/Target Organs: None known.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Rev. No.	2	Date	4/11/88	Approved	K. Kuchel	Chemical Safety Coordinator	RMC
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