

RECEIVED

OCT - 3 2014

MAINTENANCE DEPT.



Fisher Science Education
6771 Silver Crest Road, Nazareth, PA 18064 (800) 955-1177
Emergency Number: (800) 255-3924

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Catalog Numbers: S25430, S25431, S25431A
Product Identity: Methylene Blue Solution, 1% Aqueous

Chemical Family: No Information Available
Synonyms: No Information Available
Recommended Use: Laboratory chemicals

Manufacturer's Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331, (866) 632-1291
Emergency Contact Number (24hr): Chemtel (800) 255-3924

Issue Date: 08/04/12
Revision Date:

Section 2 - Hazard Identification

Emergency Overview
May irritate eyes and skin. **Odor:** Odorless

Appearance: Dark blue liquid

Target Organs: eyes, skin

Potential Health Effects/ Routes of Exposure:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause irritation.

Inhalation: May cause irritation.

Chronic Effect / Carcinogenicity Not available

Aggravated Medical Conditions No information available

These chemicals are considered hazardous by OSHA.

See section 11 for toxicological information. See section 12 for potential environmental effects.

Section 3 - Composition, Information on Ingredients

Methylene Blue, CAS# 7220-79-3, 1% w/v

Water, purified, CAS# 7732-18-5, 99% w/v

Section 4 - First Aid

Eyes: Flush eyes with water for at least 15 minutes. Immediately get medical assistance.

Skin: Flush with water for 15 minutes. Get medical assistance if irritation develops.

Ingestion: DO NOT induce vomiting. Dilute with water or milk. Call Poison Control immediately.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, get medical assistance.

Notes to Physician Treat symptomatically.

Section 5 - Fire Fighting Measures

Flash Point: Not Applicable Autoignition Temperature No information available.
Explosion Limits Upper No data available Lower No data available

Page 1 of 3 S25430, S25431, S25431A

Extinguishing Media: Use means suitable to extinguishing surrounding fire.
Unsuitable Extinguishing Media: No information available
Fire & Explosion Hazards: No information available.
Fire Fighting Instructions / Equipment: Use normal procedures. Use protective clothing. Use NIOSH-approved breathing equipment.
Hazardous Combustion Products: No information available
Sensitivity to mechanical impact: No information available.
Sensitivity to static discharge: No information available.
Specific Hazards Arising from the Chemical: Thermal decomposition can lead to release of irritating gases and vapors
NFPA Rating: (estimated) Health: 1; Flammable: 0; Reactivity: 0

Section 6 - Accidental Release Measures

Personal Precautions: Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.
Environmental Precautions: Should not be released into the environment.
Methods for Containment and Clean Up: Dilute with water, then flush to sewer if local regulations allow. If not allowed, save for recovery or recycling in an approved waste disposal facility. Always dispose of in accordance with local, state and federal regulations.

Section 7 - Handling and Storage

Handling: Wash hands after handling. Avoid contact with skin and eyes.
Storage: Keep container tightly closed. Protect from freezing and physical damage.

Section 8 - Exposure Controls, Personal Protection

Methylene Blue, CAS# 7220-79-3, ACGIH TLV: NA, OSHA PEL: NA
Water, purified, CAS# 7732-18-5, ACGIH TLV: NA, OSHA PEL: NA

Engineering Measures/ General Hygiene: Ensure ventilation is adequate. Ensure eyewash and safety showers are available.

Personal Protection Equipment: Skin Protection: Chemical resistant gloves.

Eye/Face Protection: Safety Glasses or goggles. Respiratory Protection: If exposure limits are reached use approved respirator

Section 9 - Physical and Chemical Properties

Appearance/Physical State: Dark blue liquid

Odor: Odorless

Boiling Point: 100°C (212°F)

Melting Point: 0°C

Vapor Density: No information available

Evaporation Rate: No information available

pH: No information available

Flammability: No information available

Solubility: Soluble

Relative Density: No information available

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Incompatible Materials: No information available

Conditions to Avoid: No information available

Hazardous Decomposition Products: No information available

Hazardous Polymerization: Will not occur

Hazardous Reactions: None under normal processing.

Section 11 - Toxicological Information

Page 2 of 3 S25430, S25431, S25431A

Routes of Exposure/Symptoms/Corrosiveness: – See Section 2

LD50 oral-rat: 1180 mg/kg

LC50 inhalation-rat: No Information Available

Irritation: No Information Available

Toxicologically Synergistic: No Information Available

Chronic Exposure

Carcinogenicity: There are no known carcinogenic chemicals in this product

Sensitization: No information available

Mutagenic Effects: No Information Available

Reproductive Effects: No Information Available

Developmental Effects (Immediate/Delayed): No information available.

Teratogenicity: No information available.

Other Adverse Effects: No information available.

Endocrine Disruptor Information: No information available

Section 12 – Ecological Information

Ecotoxicity: No Information Available

Persistence and Degradability: No Information Available

Bioaccumulation/ Accumulation: No Information Available

Mobility: No Information Available

Section 13 – Disposal Considerations

Waste Disposal/Waste Disposal of Packaging: Neutralize with soda ash or calcium carbonate. Dilute with water and flush to sewer. All chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Comply with all local, state, and federal regulations.

Section 14 – Transport Information

DOT – Not Regulated

Section 15 – Regulatory Information (not meant to be all inclusive)

OSHA Status: Not Applicable

Canada DSL: These chemicals are listed on Canada's DSL list.

TSCA: The components of this solution are listed on the TSCA Inventory

SARA Title III Section 313: Not Applicable

RCRA Status: Not Applicable

CERCLA Reportable Quantity: Not Applicable

WHMIS: Not Applicable

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16 – Additional Information

Disclaimer: The information on this MSDS applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to determine the suitability and completeness of this information for his/her own particular use. No warranty is implied regarding the accuracy of the data or the results to be obtained from the products use.