# FLINN SCIENTIFIC, INC. Material Safety Data Sheet (MSDS)

MSDS #: 524.00

Revision Date: April 14, 2008

#### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### **Methylene Blue**

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

#### SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Methylene Blue

Synonyms: biological stain, C.I. 52015

CAS#: 7220-79-3

#### SECTION 3 — HAZARDS IDENTIFICATION

Dark green with bronze-like luster; slight odor. Crystals or powder. Slightly toxic by ingestion. Severe eye irritant. Irritating to body tissues. Avoid ingestion, inhalation and skin absorption.

FLINN AT-A-GLANCE
Health-1
Flammability 0

Flammability-0 Reactivity-0 Exposure-1 Storage-0

0 is low hazard, 3 is high hazard

#### **SECTION 4 — FIRST AID MEASURES**

Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Give large quantities of water. Call a physician or poison control at once.

#### **SECTION 5 — FIRE FIGHTING MEASURES**

Non flammable solid.

When heated to decomposition, emits toxic fumes of NOx, SOx and Cl-.

**Fire Fighting Instructions:** Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

NFPA CODE None

Established

#### **SECTION 6 — ACCIDENTAL RELEASE MEASURES**

Restrict unprotected personnel from area. Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

#### **SECTION 7 — HANDLING AND STORAGE**

Flinn Suggested Chemical Storage Pattern: Organic #9. Store with dyes, indicators, and stains. Store in a cool dry place. Protect from heat and moisture. Use and dispense in a hood.

#### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron. Use exhaust ventilation to keep airborne concentrations low.

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#### <u>SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES</u>

Dark green with bronze-like luster, slight odor. Crystals

or powder.

Solubility: Soluble in water, alcohol and chloroform.

Formula: C16H18ClN3S.3H2O Formula Weight: 373.90

Specific Gravity: 1.335 Melting Point: 190 C (dec.)

#### **SECTION 10 — STABILITY AND REACTIVITY**

Avoid contact with strong oxidizers, reducers, and strong bases.

Shelf life: Indefinite.

#### SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Severe eye irritant, stomach pains, vomiting, ORL-RAT LD50: 1180 mg/kg

diarrhea, nausea, dizziness, headache Chronic effects: Possible mutagen

IHL-RAT LC50: N.A.
SKN-RBT LD50: N.A.

Target organs: Blood

N.A. = Not available, not all health aspects of this substance have been fully investigated.

#### **SECTION 12 — ECOLOGICAL INFORMATION**

Data not yet available.

#### **SECTION 13 — DISPOSAL CONSIDERATIONS**

Please consult with state and local regulations.

Flinn Suggested Disposal Method #26a is one option.

#### **SECTION 14 — TRANSPORT INFORMATION**

Shipping Name: Not regulated

Hazard Class: N/A UN Number: N/A N/A = Not applicable

#### **SECTION 15 — REGULATORY INFORMATION**

TSCA-listed.

#### **SECTION 16 — OTHER INFORMATION**

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## Consult your copy of the Flinn Chemical Catalog/Reference Manual for additional information about laboratory chemicals