

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 850.00

Revision Date: July 20, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Wright's Staining Solution

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

Rights Stain (68988-92-1) 2.5%, Methyl Alcohol (67-56-1) 97.5%

CAS#: None established

SECTION 3 — HAZARDS IDENTIFICATION

Deep blue solution. Distinct odor of methyl alcohol.
Contains methyl alcohol. Highly toxic by ingestion and inhalation. Ingestion may cause blindness.
Body tissue irritant. Avoid all body tissue contact.
Flammable liquid, severe fire hazard.

FLINN AT-A-GLANCE

Health-3
Flammability-3
Reactivity-1
Exposure-1
Storage-3

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician and 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 or External: Immediately flush with fresh water for at least 15 minutes.
Internal: Induce vomiting. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Class IB flammable liquid due to methyl alcohol content.
Flash point: 11 °C (CC) Flammable limits: Lower: 6.0% Upper: 36% Autoignition Temp: 464 °C
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. Remove all ignition sources and ventilate area. Contain spill with sand or other inert absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #9. Store with stains, dyes, and indicators.
Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor can.

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 ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire).
Exposure guidelines: TWA 200 ppm, STEL 250 ppm (as methyl alcohol) (OSHA, NIOSH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Deep blue-colored liquid with distinct odor of methyl alcohol.

Biological stain (blood cell stain).

Boiling point: 64.6 °C (for methyl alcohol)

Melting point: -98 °C (for methyl alcohol)

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizers.

Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Poison, irritant, GI disturbances

Chronic effects: N.A.

Target organs: Eyes, kidneys; methyl alcohol is proven to be more harmful to humans than to small animals.

ORL-RAT LD₅₀: 7500 mg/kg as methyl alcohol

IHL-RAT LC₅₀: 64000 ppm/4H as methyl alcohol

SKN-RBT LD₅₀: 15800 mg/kg as methyl alcohol

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 review all federal, state and local regulations that may apply, before proceeding.

Flinn Suggested Disposal Method #18b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Methyl Alcohol

Hazard class: 3, Flammable liquid

UN number: UN1230

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

Not listed.

SECTION 16 — OTHER INFORMATION

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*
for additional information about laboratory chemicals.**