

Safety Data Sheet (SDS)

3/10/2025: File reviewed, more current MSDS/SDS not available. CAS

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

Wright's Staining Solution

**Signal Word**  
**DANGER**

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

Chemtrec Emergency Phone Number: (800) 424-10489

Pictograms

**SECTION 2 — HAZARDS IDENTIFICATION**

Hazard class: Flammable liquids (Category 2). Highly flammable liquid and vapor (H225). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).



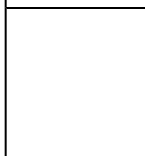
Hazard class: Acute toxicity, oral and dermal (Category 3). Toxic if swallowed or in contact with skin (H301+H311). Do not eat, drink or smoke when using this product (P270).



Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2A). Causes skin and serious eye irritation (H315+H319).



Hazard class: Specific target organ toxicity, single exposure (Category 1). Causes damage to organs (H370). Do not breathe mist, vapors or spray (P260).



**SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS**

Component Name	CAS Number	Formula	Formula Weight	Concentration
Wright's stain	68988-92-1	C <sub>5</sub> H <sub>4</sub> 2Br <sub>4</sub> N <sub>6</sub> O <sub>5</sub> S <sub>2</sub>	1214.1	0.3%
Methyl alcohol	67-56-1	CH <sub>3</sub> OH	32.04	99%

**SECTION 4 — FIRST AID MEASURES**

**If exposed or concerned:** Call a POISON CENTER or physician (P307+P311).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).

**If eye irritation persists eyes:** Get medical advice or attention (P337+P313). **If on skin or hair:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). Remove immediately all contaminated clothing (P361). Wash contaminated clothing before reuse (P363). **If swallowed:** Rinse mouth. Immediately call a POISON CENTER or physician (P301+P310+P330).

**SECTION 5 — FIRE FIGHTING MEASURES**

Class IB flammable liquid due to methyl alcohol content.

**NFPA Code**

Flash point: 11 °C Flammable limits: Lower: 6.0% Upper 36% Autoignition Temperature: 464 °C

None established

Dangerous fire risk. When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher (P370+P378).

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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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.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Organic #9. Store with dyes, indicators and stains.

Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor™ can. Keep container tightly closed and cool (P233+P235). Take precautionary measures against static discharge (P243). Use explosion-proof electrical and ventilating equipment (P241).

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

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Use in a hood or well ventilated area. Will stain skin, clothing, and surfaces.

Exposure guidelines: (as methyl alcohol) PEL/TLV 200 ppm (OSHA, ACGIH), STEL 250 ppm (ACGIH) Readily absorbed through the skin.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Deep blue-colored liquid. Distinct odor of methyl alcohol. Biological stain (blood cell stain).

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with acids, acid chlorides, acid anhydrides, oxidizers, reducers, and alkali metals.

Shelf life: Good, if stored properly.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: irritation eyes, skin, upper respiratory system; headache, drowsiness, dizziness, nausea, vomiting; visual disturbance, dermatitis.

ORL-RAT LD<sub>50</sub>: 5628 mg/kg (as methyl alcohol)  
IHL-RAT LC<sub>50</sub>: 64,000 ppm/4H (as methyl alcohol)  
SKN-RBT LD<sub>50</sub>: 15,800 mg/kg (as methyl alcohol)

Chronic effects: Optic nerve damage (blindness).

Target organs: Eyes, skin, respiratory system, CNS, GI tract.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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

Flinn Suggested Disposal Method #18b is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Methyl Alcohol. Hazard class: 3, Flammable liquid. UN number: UN1230.

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (200-659-6), RCRA code U154.

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**SECTION 16 — OTHER INFORMATION**

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

N/A = Not applicable

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

**Revision Date:** March 21, 2014

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