

MATERIAL SAFETY DATA SHEET

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Section I: IDENTIFICATION

Product Name: **Wright-Giemsa Stain Set**
Component(s): Wright-Giemsa Stain, Phosphate Buffer and Rinse Solution

Date: 04/25/03
Item Number: 5585
Emergency Phone: 800-424-9300

Section II: HAZARDOUS INGREDIENTS

<i>Hazardous Component(s):</i>	<i>CAS#</i>	<i>OSHA PEL, ACGIH TLV/STEL</i>	<u>NFPA</u>	
Wright's Stain	68988-92-1		Health	1
Giemsa Stain	51811-82-6		Flammability	3
Methanol 100%	67-56-1	200/250 ppm	Reactivity	0

Section III: PHYSICAL DATA

Boiling Point: 148°F
Vapor Pressure mm Hg/20°C: 96
Vapor Density (Air 1:1): 1.11
Solubility in H₂O: Complete

Specific Gravity (H₂O = 1): 0.79
Percent Volatile by Vol: 91%
Evaporation Rate (ether = 1): >1
Appearance & Odor: Blue liquid, pungent odor

Section IV: FIRE/EXPLOSION HAZARD

Flash Point: 54°F TCC
Flammable Limits: LEL 6.7 UEL 36
Extinguishing Media: Water spray, dry chemical, CO₂ and foam for alcohol
Special Fire Fighting Procedures: Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.
Unusual Fire & Explosion Hazards: Eliminate sources of ignition. Burns with invisible flame. May emit toxic fumes under fire conditions.

Section V: REACTIVITY

Stability: Stable
Material to Avoid: Strong oxidizers, chromic anhydride, perchloric acids.
Hazardous Decomposition or Byproducts: Oxides of carbon
Hazardous Polymerization: Does not occur
Conditions to Avoid: Excessive heat, sparks or flames

Section VI: HEALTH HAZARDS

Routes of Entry: Inhalation, Skin and Ingestion
Acute: Vapors may cause eyes, skin and respiratory irritation, drowsiness, nausea, headache and vomiting.
Chronic: May cause liver, heart and kidney damage. May cause gastrointestinal disturbances and convulsions.
Carcinogenicity: Not classified as a human carcinogen.
Signs/Symptoms of Exposure: Vision blurring, drowsiness and headache.

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Section VI: HEALTH HAZARDS

Emergency First Aid:

Skin: Remove contaminated clothing. Wash affected area with soap and water.

Eyes: Thoroughly flush eyes with water. Contact a physician if irritation persist.

Ingestion: Rinse mouth thoroughly with water, provided person is conscious and contact a physician.

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

Section VII: SAFE HANDLING

Chemical Release or Spill: Eliminate source of ignition in the vicinity of the spill or released vapor. Isolate the spill area with sand, or other absorbent material. Place all contaminated material in a closed container for disposal.

Waste Disposal Method: All liquid and or contaminated material should be disposed of in DOT approved waste containers. Incineration for liquids is the suggested method of disposal. Comply with all Federal, State and Local regulations for disposal.

Precautions for Handling and Storing: Use precautions for flammable liquids. Avoid excessive heat and sources of ignition. For large quantities, store in flammable safety cabinet. Use in well-ventilated area.

Section VIII: CONTROL MEASURES

Respiratory Protection: Not normally required. If used in a poorly ventilated area use under an approved fume hood or NIOSH approved respirator.

Ventilation: Special flammable exhaust hood if vapor concentration is high. In well-ventilated areas, mechanical exhaust is sufficient.

Protective Gloves: Chemical resistant *Eye Protection:* Safety glasses

Other Protective Clothing or Equipment: Normal laboratory apparel suggested by Good Laboratory Practices

Work/Hygienic Practices: Wash thoroughly with soap and water after handling.

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Astral Diagnostics Inc. shall not be held liable for any damage resulting from handling or contact with this product.