

MATERIAL SAFETY DATA SHEET

Manufacturer: Volu-Sol *5095 West 2100 South* Salt Lake City, UT 84120
(800) 821-2495 * 24hr Emergency Call * (800) 535-5053

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

SECTION I

PRODUCT NAME: Wright Stain
Wright Giemsa Stain
DATE OF REVISION: 05-01-00

SIZE: Various

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

PRINCIPAL HAZARDOUS COMPONENT (S):	%	OSHA PEL	ACGIH TLV (units)
Methanol CAS# 67-56-1	99	200	200

SECTION III PHYSICAL DATA

BOILING POINT (F): 148	SPECIFIC GRAVITY:(H2O=1) 0.79
VAPOR PRESSURE mm Hg./20 DEG C: 97	PERCENT VOLATILE BY VOLUME: 91%
VAPOR DENSITY (AIR=1): 1.11	EVAPORATION RATE (ether =1): >1
SOLUBILITY IN WATER: complete	APPEARANCE AND ODOR: Bluish-purple liquid, pungent odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): 52 DEG F (TCC) 61 DEG F (TOC)	FLAMMABLE LIMITS:	<u>LeI</u> <u>UeI</u>
EXTINGUISHING MEDIA: - Water SPRAY ONLY, dry chemical, CO2, "alcohol" foam.		6.7% 36%
SPECIAL FIRE FIGHTING PROCEDURES: DO NOT USE direct water stream.		
UNUSUAL FIRE AND EXPLOSION HAZARDS: - Burns with an invisible flame in daylight.		

SECTION V REACTIVITY DATA

STABILITY: STABLE **INCOMPATIBILITY** (materials to avoid): Reacts vigorously with strong oxidizers chromic anhydride, lead perchlorate and perchloric acids.
HAZARDOUS DECOMPOSITION OR BY PRODUCTS: Occurs from heat and reactions with materials above.
HAZARDOUS POLYMERIZATION: Does not occur.
CONDITIONS TO AVOID: Heat, sparks and flames.

SECTION VI HEALTH HAZARD DATA

EXPOSURE LIMITS:

	PEL	TLV	OTHER
ppm (skin)	200	200	250

EFFECTS OF OVER EXPOSURE: Harmful if inhaled; may be fatal or cause blindness if swallowed; will irritate the skin and eyes.

ROUTE (S) OF ENTRY

EMERGENCY AND FIRST AID PROCEDURES

EYE: Irrigate immediately with water for 15 minutes. Call physician.

SKIN: Flush with water immediately.

BREATH: Move to fresh air. Give artificial respiration if needed. Call physician.

INGESTION: Induce vomiting. Call physician.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Mop up small spills and dispose of in DOT-approved waste containers. Large spills should be diked with soil or non-combustible absorbent material.

WASTE DISPOSAL METHOD: All liquid or contaminated absorbent material should be disposed of in DOT-approved waste containers. Comply with all applicable Federal, State and local regulations for disposal of these materials.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify Type): None for normal use.

VENTILATION: Mechanical exhaust (use in well ventilated area).

PROTECTIVE GLOVES: Chemical Resistant.

EYE PROTECTION: Chemical goggles. DO NOT wear contact lenses.

OTHER PROTECTIVE EQUIPMENT: Good laboratory safety practices indicate lab coats, hand and eye protection.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Use only in well ventilated area away from incompatible materials. Bottles should remain capped and sealed until use. Avoid storage in areas of extreme temperature and direct sunlight. Avoid contact with eyes.

OTHER PRECAUTIONS: Do not get in eyes, on skin or clothing. Wash thoroughly after use.

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