

E M SCIENCE DIV OF E M INDUSTRIES INC -- WRIGHT-GIEMSA STAIN SOLUTION --  
6550-01-165-6732

===== Product Identification =====

Product ID:WRIGHT-GIEMSA STAIN SOLUTION

MSDS Date:05/26/1998

FSC:6550

NIIN:01-165-6732

Status Code:A

MSDS Number: CLDHD

=== Responsible Party ===

Company Name:E M SCIENCE DIV OF E M INDUSTRIES INC

Address:480 DEMOCRAT ROAD

Box:70

City:GIBBSTOWN

State:NJ

ZIP:08027

Country:US

Info Phone Num:800-222-0342/609-423-6300

Emergency Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:VW3578

Chemtrec Ind/Phone:(800)424-9300

CAGE:63612

=== Contractor Identification ===

Company Name:E M SCIENCE DIV OF E M INDUSTRIES INC

Address:480 DEMOCRAT ROAD

Box:70

City:GIBBSTOWN

State:NJ

ZIP:08027

Country:US

Phone:800-222-0342/609-423-6300

CAGE:63612

===== Composition/Information on Ingredients =====

Ingred Name:GIEMSA STAIN

CAS:51811-82-6

Minimum % Wt:0.

Maximum % Wt:

1.

Ingred Name:WRIGHT STAIN  
CAS:68988-92-1  
Minumum % Wt:0.  
Maxumum % Wt:1.

Ingred Name:GLYCEROL  
CAS:56-81-5  
RTECS #:MA8050000  
Minumum % Wt:0.  
Maxumum % Wt:20.  
OSHA PEL:15 MG/M3  
ACGIH TLV:10 MG/M3

Ingred Name:METHANOL  
CAS:67-56-1  
RTECS #:PC1400000  
Minumum % Wt:80.  
Maxumum % Wt:99.  
OSHA PEL:260 MG/M3;200 PPM  
ACGIH TLV:262 MG/M3;200 PPM  
ACGIH STEL:328 MG/M3;250 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

=====  
===== Hazards Identification =====

LD50 LC50 Mixture:N  
O DATA PROVIDED BY MANUFACTURER  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TOXIC BY INGESTION AND INHALATION. CAN  
BE TOXIC BY SKIN ABSORPTION. AFFECTS CENTRAL NERVOUS SYSTEM,  
ESPECIALLY OPTIC NERVE. MARKED IMPAIRMENT OF VISION AND ENLARGEMENT  
OF THE LIVER HAS BEEN REPORTED WITH CHRONIC EXPOSURE. INGESTION  
CAN PRODUCE BLINDNESS (100 ML CAN BE FATAL). PROLONGED OR REPEATED  
SKIN  
CONTACT MAY CAUSE IRRITATION.  
Explanation of Carcinogenicity:THE MATERIAL IS NOT LISTED (IARC, NTP,  
OSHA) AS CANCER CAUSING AGENT.  
Effects of Overexposure:CAUSES DIZZINESS, NAUSEA, MUSCLE WEAKNESS,  
NARCOSIS, RESPIRATORY FAILURE.  
Medical Cond Aggravated by Exposure:DATA NOT AVAILABLE

=====  
===== First Aid Measures =====

First Aid:GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE. SKIN:  
IMEDIATELY FLUSH THOROUGHLY WITH LARGE AMOUNTS OF WATER. EYE:

IMMEDIATELY FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES.  
INHALATION: REMOVE TO FRESH AIR; GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. INGESTION: IF CONSCIOUS, DRINK WATER AND INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

===== Fire Fighting Measures =====

Flash Point: 12.2C, 54.F

Extinguishing Media: USE WATER SPRAY, FOAM, DRY CHEMICAL, OR CO2

Fire Fighting

Procedures: WEAR SELF CONTAINED BREATHING APPARATUS

Unusual Fire/Explosion Hazard: DANGEROUS FIRE HAZARD.

===== Accidental Release Measures =====

Spill Release Procedures: EVACUATE THE AREA OF ALL UNNECESSARY PERSONNEL. WEAR SUITABLE PROTECTIVE EQUIPMENT LISTED. ELIMINATE ANY IGNITION SOURCES UNTIL THE AREA IS DETERMINED TO BE FREE FROM EXPLOSION OR FIRE HAZARDS. CONTAIN THE RELEASE AND ELIMINATE ITS SOURCE, IF THIS CAN BE DONE WITHOUT RISK. TAKE

UP AND CONTAINERIZE

FOR PROPER DISPOSAL AS DESCRIBED UNDER DISPOSAL. COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

Neutralizing Agent: NO DATA PROVIDED BY MANUFACTURER

===== Handling and Storage =====

Handling and Storage Precautions: KEEP CONTAINER TIGHTLY CLOSED. STORE IN A COOL AREA AWAY FROM IGNITION SOURCES AND OXIDIZERS. DO NOT BREATHE VAPOR. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.

Other Precautions: NO DATA PROVIDED BY MANUFACTURER

===== Exposure Controls/Personal Protection =====

Respiratory Protection: IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED (SEE TLV/PEL), A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS (SEE YOUR SAFETY EQUIPMENT SUPPLIER). ENGINEERING AND/OR

Ventilation: MATERIAL MUST BE

HANDLED OR TRANSFERRED IN AN APPROVED FUME

HOOD OR WITH EQUIVALENT VENTILATION

Protective Gloves:NEOPRENE OR EQUIVALENT

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS MUST BE WORN AT ALL  
TIMES

Other Protective Equipment:IMPERVIOUS PROTECTIVE CLOTHING SHOULD BE  
WORN TO PREVENT SKIN CONTACT. EYE WASH AND SAFETY EQUIPMENT SHOULD  
BE READILY AVAILABLE

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. DO NOT TAKE  
INTERNALLY.

Supplemental Safety and Health

MSDS COVERS CATALOG

NUMBERS: VW3578, 742.

===== Physical/Chemical Properties =====

HCC:F5

Solubility in Water:MISCIBLE

Appearance and Odor:PURPLE LIQUID, SLIGHT ALCOHOLIC ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

OXIDIZERS, CAUSTIC ALKALI, DICHROMATES, REDUCING AGENTS, ALKALI  
IODIDES

Stability Condition to Avoid:HEAT, IGNITION SOURCES

Hazardous Decomposition Products:COX, FORMALDEHYDE

Conditions to Avoid

Polymerization:DOES NOT OCCUR

===== Toxicological Information =====

Toxicological Information:NONE. CITED IN REGISTRY OF TOXIC EFFECTS OF  
CHEMICAL SUBSTANCES (RTECS).

===== Ecological Information =====

Ecological:NO DATA PROVIDED BY MANUFACTURER.

===== Disposal Considerations =====

Waste Disposal Methods:EPA WASTE NUMBERS: D001. INCINERATION, FUELS  
BLENDING OR RECYCLE. CONTACT YOUR LOCAL

PERMITTED WASTE DISPOSAL

SITE (TSD) FOR PERMISSIBLE TREATMENT SITES. ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD ) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

=====  
MSDS Transport Information  
=====

Transport Information:DOT PROPER SHIPPING NAME: METHANOL SOLUTION. DOT ID NUMBER: UN1230.

=====  
Regulatory Information  
=====

SARA Title III Information:SARA 313: METHANOL. DEMINIMIS F OR SARA 313

(METHANOL): 1.0%.

Federal Regulatory Information:CERCLA RQ (LBS): METHANOL=5000. TSCA STATEMENT: EXEMPT FROM TSCA LISTING REQUIREMENTS. OSHA FLOOR LIST: GLYCEROL, METHANOL.

State Regulatory Information:NO DATA PROVIDED BY MANUFACTURER.

=====  
Other Information  
=====

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.