

# MATERIAL SAFETY DATA SHEET

MSDS DATE:08/07/07

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: GIEMSA STOCK SOL.  
SYNONYMS: N/A  
PRODUCT CODES: 15940  
MANUFACTURER: ELECTRON MICROSCOPY SCIENCES  
DIVISION: 1560 INDUSTRY ROAD/P.O. BOX 550  
ADDRESS: HATFIELD, PA 19440

EMERGENCY PHONE: 215-412-8400  
CHEMTREC PHONE: 800-424 -4300

FAX PHONE: 215-412-8450

CHEMICAL NAME: N/A  
CHEMICAL FAMILY: N/A

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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### INGREDIENT:

GIEMSA STAIN, CERTIFIED  
METHANOL  
GLYCERIN  
POTASSIUM PHOSPHATE, MONOBASIC  
SODIUM PHOSPHATE, DIABASIC  
THYMOL

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
51811-82-6	N/A	0.019	
00067-56-1	N/A	4.03	
56-81-5	N/A	1.18	
7778-77-0	N/A	0.014	
7558-79-4	N/A	0.002	
89-83-8	N/A	0.005	
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	N/A	N/A	
OSHA PEL STEL:	250	310	
OSHA PEL CEILING:	N/A	N/A	
ACGIH TLV-TWA:	200	260	
ACGIH TLV STEL:	N/A	N/A	
ACGIH TLV CEILING:	N/A	N/A	

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## SECTION 3: HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW:

ROUTES OF ENTRY: INHALATION, SKIN, INGESTION

POTENTIAL HEALTH EFFECTS

EYES: IRRITANT TO EYES

SKIN: IRRITANT TO SKIN

INGESTION: N/A

INHALATION: N/A

ACUTE HEALTH HAZARDS: IRRITANT TO SKIN AND EYES

CHRONIC HEALTH HAZARDS: TOXIC IF INGESTED

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

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CARCINOGENICITY

OSHA: N/A    ACGIH: N/A    NTP: N/A    IARC: N/A  
OTHER: N/A

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## SECTION 4: FIRST AID MEASURES

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EYES: FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION OCCURS, SEEK MEDICAL ATTENTION

SKIN: WASH WITH SOAP AND WATER. IF IRRITATION OCCURS, SEEK MEDICAL ATTENTION.

INGESTION: IF CONSCIOUS IMMEDIATELY INDUCE VOMITING. CALL A PHYSICIAN!

INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

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## SECTION 5: FIRE-FIGHTING MEASURES

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FLAMMABLE LIMITS IN AIR, UPPER: N/A  
(% BY VOLUME)                      LOWER: N/A

FLASH POINT: N/A  
F: N/A  
C: N/A  
METHOD USED: N/A

AUTOIGNITION TEMPERATURE: N/A  
F: N/A  
C: N/A

NFPA HAZARD CLASSIFICATION  
HEALTH: N/A                      FLAMMABILITY: N/A                      REACTIVITY: N/A  
OTHER: N/A

HMIS HAZARD CLASSIFICATION  
HEALTH: N/A                      FLAMMABILITY: N/A                      REACTIVITY: N/A  
PROTECTION: N/A

EXTINGUISHING MEDIA: WATER, CARBON DIOXIDE, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTER SHOULD WEAR FULL PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE-PIECE OPERATED IN POSITIVE PRESSURE MODE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: MAY EMIT TOXIC FUMES WHEN HEATED

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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ACCIDENTAL RELEASE MEASURES:

WEARING FULL PROTECTIVE CLOTHING, ABSORB SPILL ON SAND EARTH OR VERMICULITE. SWEEP UP AND CONTAINERIZE FOR PROPER DISPOSAL. WASH SPILL AREA WITH SOAP AND WATER.

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## SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: USE CARE WHEN HANDLING! AVOID ALL ROUTES OF EXPOSURE. STORE IN A COOL, DRY, WELL-VENTILATED FLAMMABLE LIQUID STORAGE AREA.KEEP TIGHTLY CLOSED. WASH THOROUGHLY AFTER HANDLING.

OTHER PRECAUTIONS: DO NOT CONTAMINATE WAERWAYS!

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS:

VENTILATION: FUME HOOD

RESPIRATORY PROTECTION: NONE SPECIFIED

EYE PROTECTION: FACE SHIELD, SAFETY GOGGLES

SKIN PROTECTION: RUBBER GLOVES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: APPROVED WORK CLOTHES.

WORK HYGIENIC PRACTICES: USE CARE WHEN HANDLING! AVOID ALL ROUTES OF EXPOSURE!

EXPOSURE GUIDELINES: N/A

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: PALE, BLUE-PURPLE

ODOR: N/A

PHYSICAL STATE: LIQUID

pH AS SUPPLIED: N/A

pH (Other): N/A

BOILING POINT: N/A

F: N/A

C: N/A

MELTING POINT: N/A

F: N/A

C: N/A

FREEZING POINT: N/A

F: N/A

C: N/A

VAPOR PRESSURE (mmHg): N/A

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F: N/A

C: N/A

VAPOR DENSITY (AIR = 1): N/A

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F: N/A

C: N/A

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F: N/A

C: N/A

EVAPORATION RATE: N/A

BASIS (=1): N/A

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

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SOLUBILITY IN WATER: N/A

PERCENT SOLIDS BY WEIGHT: N/A

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PERCENT VOLATILE: N/A  
BY WT/ BY VOL @  
F: N/A  
C: N/A

VOLATILE ORGANIC COMPOUNDS (VOC): N/A

WITH WATER: N/A LBS/GAL  
WITHOUT WATER: N/A LBS/GAL

MOLECULAR WEIGHT: N/A  
VISCOSITY: N/A  
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F: N/A  
C: N/A

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## SECTION 10: STABILITY AND REACTIVITY

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STABILITY: STABLE

CONDITIONS TO AVOID (STABILITY): N/A

INCOMPATIBILITY (MATERIAL TO AVOID): N/A

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID (POLYMERIZATION): N/A

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION:  
TOXICITY: LD50 (ORAL-RAT) (MG/KG) – 5628  
LD50 (IPR-RAT) (MG/KG) – 9540  
LD50 (SCO-MOUSE) (MG/KG)- 9800  
LD50 (ORALOMUS) (MG/KG) – 26  
LD50 (IPR-MUS) (MG/KG) -63

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: N/A

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: COMPLY WITH FEDERAL, STATE, LOCAL REGULATIONS.

RCRA HAZARD CLASS: N/A

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## SECTION 13: DISPOSAL CONSIDERATIONS (con't)

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## SECTION 14: TRANSPORT INFORMATION

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U.S. DEPARTMENT OF TRANSPORTATION  
PROPER SHIPPING NAME:

NOT REGULATED  
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HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENT:

## WATER TRANSPORTATION

PROPER SHIPPING NAME: NOT REGULATED  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

## AIR TRANSPORTATION

PROPER SHIPPING NAME: NOT REGULATED  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

OTHER AGENCIES: N/A

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## SECTION 15: REGULATORY INFORMATION

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### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

311/312 HAZARD CATEGORIES: N/A  
313 REPORTABLE INGREDIENTS: N/A

STATE REGULATIONS: N/A

INTERNATIONAL REGULATIONS: N/A

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## SECTION 16: OTHER INFORMATION

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OTHER INFORMATION: N/A

PREPARATION INFORMATION: N/A

DISCLAIMER: IN COMPLIANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD, 29 C.F.R. 1910. 1200, WE ARE PROVIDING YOU WITH A MSDS FOR THE HAZARDOUS MATERIAL YOU ARE PURCHASING.

IT IS YOUR RESPONSIBILITY TO EDUCATE YOUR EMPLOYEES ON THE SAFE USE OF THE HAZARDOUS MATERIAL.

ELECTRON MICROSCOPY SCIENCES MAKES NO PRESENTATION AS TO THE ACCURACY OF THE INFORMATION IN THE MSDS. THE INFORMATION IS BELIEVED TO BE CORRECT; HOWEVER, YOU (THE CUSTOMER), SHOULD PERFORM YOUR OWN INVESTIGATION AND INDEPENDENT VERIFICATION. IF YOU RESELL THE PRODUCT, YOU ARE RESPONSIBLE TO FORWARD THE INFORMATION IN THE MSDS TO YOUR CUSTOMER.