

# MATERIAL SAFETY DATA SHEET

MSDS DATE:07/31/07

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: LUXOL FAST BLUE SOLUTION

SYNONYMS: SOLVENT BLUE 38. ETHYL ALCOHOL; ANHYDROUS. WOOD ALCOHOL, METHYL ALCOHOL, CARBINOL, METHYLOL. WOOD SPIRIT. ETHANOIC ACID; METHANE CARBOXYLIC  
PRODUCT CODES: 26056-10

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:

LUXOL FAST BLUE  
ETHANOL  
METHANOL  
ACETIC ACID

| <u>CAS NO.</u> | <u>% WT</u> | <u>% VOL</u> | <u>SARA 313 REPORTABLE</u> |
|----------------|-------------|--------------|----------------------------|
| 1328-51-4      | N/A         | 0.1          |                            |
| 46-17-5        | N/A         | 90.25        |                            |
| 67-56-1        | N/A         | 4.75         |                            |
| 64-19-7        | N/A         | 0.05         |                            |

  

|                   | <u>ppm</u> | <u>mg/m3</u> |
|-------------------|------------|--------------|
| OSHA PEL-TWA:     | 200        | 260          |
| OSHA PEL STEL :   | 250        | 37           |
| OSHA PEL CEILING: | 10         | 25           |

  

|                    |     |     |
|--------------------|-----|-----|
| ACGIH TLV-TWA:     | 10  | 25  |
| ACGIH TLV STEL:    | 15  | 37  |
| ACGIH TLV CEILING: | 200 | 260 |

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## SECTION 3: HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW:

ROUTES OF ENTRY: INHALATION, SKIN, INGESTION

POTENTIAL HEALTH EFFECTS  
EYES: IRRITATION TO EYES

SKIN: IRRITATION TO SKIN

INGESTION: POISON! MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED.

INHALATION: HARMFUL IF INHALED

ACUTE HEALTH HAZARDS: N/A

CHRONIC HEALTH HAZARDS: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

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## CARCINOGENICITY

OSHA: N/A  
OTHER: N/A

ACGIH: N/A

NTP: N/A

IARC: 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. REMOVE CONTAMINATED CLOTHING. IF IRRITATION OCCURS. SEEK MEDICAL ATTENTION.

**INGESTION:** IF SWALLOWED AND CONSCIOUS INDUCE VOMITING. GIVE 2 TEASPOONS BAKING SODA. COVER EYES. CALL A PHYSICIAN!

**INHALATION:** REMOVE TO FRESH AIR- ADMINISTER ARTIFICIAL RESPIRATION IF NECESSARY.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:**

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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:**

F: N/A

C: 63 DEG

**METHOD USED:**

**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:** CARBON DIOXIDE, DRY CHEMICAL

**SPECIAL FIRE FIGHTING PROCEDURES:** FIREFIGHTERS SHOULD WEAR PROTECTIVE CLOTHING AND SELF CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** MAY EMIT TOXIC FUMES

**HAZARDOUS DECOMPOSITION PRODUCTS:** N/A

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** ELIMINATE ALL SOURCES OF IGNITION. WEARING SUITABLE PROTECTIVE GEAR, ABSORB SPILL ON SAND, EARTH OR VERMICULITE. SCOOP UP AND CONTAINERIZE FOR PROPER DISPOSAL. WASH SPILL AREA WITH WATER.

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## SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: KEEP AWAY FROM HEAT, FLAME AND SPARKS. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. WASH CONTAMINATED CLOTHING BEFORE RE-USE.

OTHER PRECAUTIONS: DO NOT BREATHE VAPORS OR MISTS; USE WITH ADEQUATE VENTILATION.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS:

VENTILATION: N/A

RESPIRATORY PROTECTION: USE RESPIRATOR SUFFICIENT TO PREVENT INHALATION OF MISTS OR VAPORS.

EYE PROTECTION: SAFETY GOGGLES

SKIN PROTECTION: RUBBER GLOVES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: APPROVED WORK CLOTHES.

WORK HYGIENIC PRACTICES: WASH THOROUGHLY AFTER HANDLING. WASH CLOTHING BEFORE REUSE. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. USE CARE WHEN HANDLING

EXPOSURE GUIDELINES:N/A

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: AQUA BLUE

ODOR: ODOR OF ALCOHOL

PHYSICAL STATE:

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

@

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

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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

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

@

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): HEAT, FLAME AND SPARKS

INCOMPATIBILITY (MATERIAL TO AVOID): OXIDIZERS

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

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: N/A

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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: ALCOHOLS N.O.S.  
HAZARD CLASS: N/A  
ID NUMBER: UN 1897  
PACKING GROUP: N/A  
LABEL STATEMENT: N/A

### WATER TRANSPORTATION

PROPER SHIPPING NAME:  
HAZARD CLASS: SAME  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

### AIR TRANSPORTATION

PROPER SHIPPING NAME:  
HAZARD CLASS: SAME  
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, 2.9 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.