

# MATERIAL SAFETY DATA SHEET

MSDS DATE:08/13/07

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: GUM MASTIC, 2.5% IN SD ALCOHOL, 3A  
SYNONYMS: ETHYL ALCOHOL: ANHYDROUS. WOOD ALCOHOL, METHYL ALCOHOL, CARBINOL  
PRODUCT CODES: 16590-01  
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 -9300

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:  
GUM MASTIC  
ETHANOL  
METHANOL

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
61789-92-2	2.5	N/A	
46-17-5	N/A	95	
67-56-1	N/A	5	
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	200	260	
OSHA PEL STEL :	250	310	
OSHA PEL CEILING:	N/A	N/A	
ACGIH TLV-TWA:	1000	1880	
ACGIH TLV STEL:	200	260	
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: CAUSES IRRITATION

SKIN: CAUSES IRRITATION

INGESTION: MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED

INHALATION: HARMFUL IF INHALED, CAUSES IRRITATION TO RESPIRATORY TRACT

ACUTE HEALTH HAZARDS: POISON! MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. HARMFUL IF INHALED. CAUSES IRRITATION

CHRONIC HEALTH HAZARDS: POISON! MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. HARMFUL IF INHALED. CAUSES IRRITATION

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. SEEK MEDICAL ATTENTION!!

SKIN: WASH WITH SOAP AND WATER FOR AT LEAST 15 MINUTES, REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS WITH SOAP AND WATER. IF IRRITATION OCCURS, SEEK MEDICAL ATTENTION.

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

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

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

HMS 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 PROPER PROTECTIVE CLOTHING AND SELF CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE 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 THE SKIN, EYES AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. WASH CONTAMINATED CLOTHING BEFORE REUSE.

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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: N/A

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: 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: AMBER

ODOR: ALCOHOLIC

PHYSICAL STATE: LIQUID (SOLUTION)

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: YES

PERCENT SOLIDS BY WEIGHT: N/A

PERCENT VOLATILE: N/A

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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): 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: ORAL-RAT LD50: 13.7 G/KG

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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: N/A

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: N/A

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HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

## AIR TRANSPORTATION

PROPER SHIPPING NAME: N/A  
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.