

# MATERIAL SAFETY DATA SHEET

SDS 2075-004LT

CHEMICAL SPOORS, INC.  
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PRODUCT NUMBER: 82424  
DATE PREPARED: 2-1-85  
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## SECTION I - IDENTIFICATION

CHEMICAL NAME: Denatured Ethyl Alcohol  
TRADE NAMES OR SYNONYMS: GRA-SOL (190 proof)  
CHEMICAL FAMILY:  
FORMULA: See section II

## SECTION II - HAZARDOUS INGREDIENTS

	%	TLV
Ethanol (190)	92.47	1000 ppm
Methanol	3.70	200 ppm
Ethyl Acetate 85-88	.97	400 ppm
Rubber Solvent	.97	300 ppm
MEBK	1.89	50 ppm

\*TLV NOT AVAILABLE

## SECTION III - PHYSICAL DATA

BOILING POINT (°F): 163-174  
VAPOR PRESSURE (mm Hg): Calc. @ 68°F 42  
VAPOR DENSITY (AIR = 1): Calc. 1.8  
SOLUBILITY IN WATER: Complete, but hazy.  
SPECIFIC GRAVITY: @60/60°F 0.8152  
PERCENTAGE VOLATILE BY VOLUME: 100  
EVAPORATION RATE (NDAC = 1): 1.4  
APPEARANCE AND ODOR: Clear, colorless liquid with characteristic odor.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FIRE AND EXPLOSION HAZARD SUMMARY: Flammable Liquid.

FLASH POINT: (60°F, CLOSED CUP) (OPEN CUP) FLAMMABLE LIMITS: LEL = 3.3UEL = 19.0

EXTINGUISHING MEDIA: Exclude air, use foam, CO<sub>2</sub>, steam, water-fog, dry chemicals.

SPECIAL FIREFIGHTING PROCEDURES: Exclude air, consult local fire marshal. Handle as a flammable liquid.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

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## SECTION V - HEALTH HAZARD DATA

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HEALTH HAZARD SUMMARY: Contains Methanol, can not be made non-poisonous.

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THRESHOLD LIMIT VALUE: SEE SECTION II.

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SKIN, EFFECTS OF OVEREXPOSURE: Causes drying of skin. Absorption from prolonged contact produces toxic effects.

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SKIN, FIRST AID PROCEDURES: Flush skin with plenty of water.

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EYES, EFFECTS OF OVEREXPOSURE: Contact with liquid irritates eyes.

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EYES, FIRST AID PROCEDURES: Flush eyes with plenty of water.

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INHALATION, EFFECTS OF OVEREXPOSURE: Inhalation of concentrated vapor may irritate respiratory tract and produce narcosis.

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INHALATION, FIRST AID PROCEDURES: Move to fresh air, give artificial respiration or oxygen, if breathing is difficult.

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INGESTION, EFFECTS OF OVEREXPOSURE: Swallowing causes dizziness, headache, acidosis, visual disturbances and damage, and possible death.

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INGESTION, FIRST AID PROCEDURES: Induce vomiting by sticking finger down throat or by giving soapy or strong salty water to drink. Repeat until vomit is clear. Never give anything by mouth to an unconscious person. Cover eyes. Call a physician.

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## SECTION VI - REACTIVITY DATA

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STABILITY: ☒ STABLE ☐ UNSTABLE

CONDITIONS TO AVOID: Keep away from spark or flame.

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INCOMPATIBILITY: Strong oxidizing agents.

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HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO<sub>2</sub> when combusted.

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HAZARDOUS POLYMERIZATION: \_\_\_\_\_ WILL OCCUR      XX WILL NOT OCCUR  
CONDITIONS TO AVOID:

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Avoid open flame or spark source. Provide adequate ventilation. Evaporate or flush with water to an open, well ventilated area. Use oil sewer, if available. Remove to container. Obey all local pollution regulations.

WASTE DISPOSAL METHOD: Dispose of in accordance with all state and local regulations.

This disposal method is a recommendation only. Be sure to dispose of materials in full accordance with all local, state, and federal regulations applicable.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Organic canister mask or air-purifier.

VENTILATION: General.

PROTECTIVE GLOVES: Rubber.

EYE PROTECTION: Conventional eye cover to guard against unexpected splashing.

OTHER PROTECTIVE EQUIPMENT: Protective apron.

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid open flames and spark sources. Avoid splashing. Provide adequate ventilation. Avoid excessive heat. Avoid contact with skin and eyes.

OTHER PRECAUTIONS: Store and handle as a flammable liquid.

We recommend obtaining a copy of the "Directory of Poison Control Centers." To obtain a copy write Superintendent of Documents, U.S. Government Printing Office, Washington D.C.

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