

MATERIAL SAFETY DATA SHEET

Product No. E2500

Chemical Spools, Inc.
P.O. Box 313
Prospect Hts., IL 60070
(312) 364-0150

Emergency Spill or Release,
call: (800) 424-9300
24 hr. CHEMTREC number
First Aid or Exposure, call your
local Poison Control Center
or a physician.

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| SECTION I IDENTIFICATION | |
| Product | Ethyl Alcohol, Denatured |
| Trade/Chemical Synonyms | Proprietary Solvent |
| Formula | See Section II |
| Quantity | all |
| C.A.S. # | See Section II |

| SECTION II MIXTURE COMPONENTS | | | |
|--------------------------------------|-------------------------|------|----------------|
| Component | CAS Number | % | TLV |
| Ethyl Alcohol | 64-17-5 | 80.6 | 1000 ppm (TWA) |
| Methyl Alcohol | 67-56-1 | 4.5 | 200 ppm (TWA) |
| Methyl Isobutyl Ketone | 108-10-1 | 0.8 | 50 ppm (TWA) |
| NA - Not Applicable | Ethyl Acetate | 4.7 | 400 ppm (TWA) |
| | Rubber Solvent/Gasoline | 0.8 | 400 ppm (TWA) |
| | Water | 8.4 | |

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| SECTION III PHYSICAL CHARACTERISTICS INFORMATION | | | |
| Melting Point °C | <-114°C | Specific Gravity (r ₄ °C-1) | NA |
| Boiling Point °C | 78°C | Percent Volatile by Volume (%) | 100% |
| Vapor Pressure mm Hg/°C | 42 @ 25°C | Evaporation Rate (BVI/Acetate = 1) | 1.4 |
| Vapor Density (Air=1) | 1.8 | | |
| Solubility in Water | Miscible | | |
| Appearance and Odor | Clear colorless liquid, Ethyl Alcohol odor. | | |

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| SECTION IV FIRE / EXPLOSION HAZARD INFORMATION | | | |
| -Flash Point °C | 11°C closed cup (Method) | Flammable limits in air % by volume | lower: 3.3 upper: 19.0 |
| Fire Extinguisher Type | Water spray, dry chemical, foam, or carbon dioxide. Water spray may be used to keep fire exposed containers cool. | | |

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Water may be used to dilute spills to a non-flammable mixture.

Fire / Explosion Hazards
FLAMMABLE! Autoignition temperature 422°C.
Above flash point, vapor-air mixtures are explosive within flammable limits noted above.
Vapors can flow along surfaces to distant ignition source and flash back.

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| SECTION V HEALTH HAZARD INFORMATION | |
| Threshold Limit Value (TLV) | See Section II |
| Overexposure Symptoms (When in doubt, call a physician or local Poison Control Center) | Toxic due to denaturants. Can cause irritation by all exposure routes. Nausea, narcosis. |

Emergency and First Aid Procedures
Skin: Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists. Eyes: Wash eyes with plenty of water for at least 15 minutes. Lift up lower and upper eyelids. Is difficult, give oxygen. Call a physician. Ingestion: If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call physician immediately.

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| SECTION VI REACTIVITY INFORMATION | |
| Stability | Unstable Stable |
| Conditions to Avoid | Avoid heat and ignition sources. |
| Incompatibilities (Materials to Avoid) | Strong oxidants, silver salts, halogen acids, s ² -all metals, metal hydrides. |
| Hazardous Decomposition Products | Carbon oxides. |
| Hazardous Polymerization | May Occur Will Not Occur |
| Conditions to Avoid | None |

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| SECTION VII SPILL CLEANUP / DISPOSAL INFORMATION | |
| Cleanup Method(s) | Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Small spills may be absorbed on paper towels and evaporated in fume hood. Allow enough time for turns to clear hood, then ignite paper in a suitable location away from combustible materials. Contain and recover liquid when possible. |
| Disposal Method(s) | Can be liquid incinerated in RCRA approved combustion chamber or absorb with vermiculite, dry sand, earth, or similar material. Scoop up with non-sparking tools and place in closed container, and dispose in a RCRA approved facility. Do not flush to sewer. |

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| SECTION VIII PERSONAL PROTECTION RECOMMENDATIONS | |
| Respiratory Protection (Specify Type) | Organic cartridge or self contained. |
| Ventilation | Local Exhaust Mechanical (General) X |
| Protective Gloves | Rubber |
| Other Protective Equipment | Apron |
| Eye Protection | Goggles |

Store in a cool well ventilated place.

D.O.T.: Denatured Alcohol, Flammable Liquid, 1A(1)306
DOT regulations may apply in some states. Please consult the most recent D.O.T. regulations.
Essentially similar to item 10

Rev. No. 1 Date 1/16/87 Approved K. Kochel Safety Dir. RUC
The information contained herein is believed to be accurate and is of the best of our knowledge and belief. No warranty is made for the completeness or accuracy of the information. The information was prepared by independent investigation of current scientific and medical knowledge and may not be the most current.

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