

Nasco

IMPORTANT
MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
OSHA requires this data sheet to be kept on file.

Product No. **ETHYL ALCOHOL**
Product Name **BURNER FUEL**

MEMBER OF THE BURNER FUEL ASSOCIATION

Health Hazard	3
Flammability	3
Reactivity	0

Formula **C₂H₅OH**
C.A.S. No. **64-17-5**
Chemical Synonyms **Propylatory Solvent**

Principal Hazardous Component(s)

Ethyl Alcohol (190pp)	CAS# 64-17-5	92.47 %	1000 ppm	1000 ppm (TWA)
Methyl Alcohol	CAS# 67-56-1	3.70 %	200 ppm	200 ppm (TWA)
Methyl Isobutyl Ketone	CAS# 108-10-1	1.89 %	50 ppm	50 ppm (TWA)
Ethyl Acetate	CAS# 141-79-6	1.94 %	480 ppm	400 ppm (TWA)
Sodium Nitrate	CAS# 7631-99-4	<1%	N/A	N/A

Other hazard data to the reporting requirements of SARA Title III

Melting Point (°F)	<114°C	Specific Gravity (20°C)	0.80
Boiling Point (°F)	78°C	Percent Volatile by Volume (%)	100%
Vapor Pressure (atm Hg)	47 @ 25°C	Evaporation Rate (1)	3.3
Vapor Density (air=1)	1.6		
Solubility in Water	100%		
Appearance & Odor	Clear colorless liquid, mild odor		

SECTION VI

Flash Point (Method Used)	63°F	Flammable Limits in Air % by Volume	Lower 3.3	Upper 19.0
Extinguisher Media	Water spray, dry chemical, foam or carbon dioxide. Water spray may be used to keep fire exposed extinguishers cool.			

Special Handling Procedures
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.

Universal Fire and 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.
DEC 13 1995

D.O.T. Denatured alcohol, 3, NA 1987, PG1

See Section II

Toxic due to denaturation. Acute: Irritation to eyes, skin, lungs and GI tract. Nausea, vomiting, dizziness, headache, blurred vision, and loss of consciousness. Chronic: Dermatitis. Blindness due to presence of methanol. Kidney and liver damage.

Emergency and First Aid Procedures
Slight: Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes. Medical attention if irritation develops or persists. Eyes: Wash eyes with plenty of water for at least 15 minutes. Goggles worn and upper eyelids occasionally. Get medical attention immediately. Inhalation: Remove to fresh air. If eye breathing, give artificial respiration. If breathing is difficult, give oxygen. Caution: 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 a physician immediately.

Hazardous Decomposition Products
Carbon Oxides.
Strong oxidants, silver salts, halogen halides, alkali metals, n hydrides.

SECTION VII
Steps to be taken in case of spillage or leakage
Wash thoroughly with soap and water. Remove any contaminated clothing. Wash skin with plenty of water for at least 15 minutes. Medical attention if irritation develops or persists. Eyes: Wash eyes with plenty of water for at least 15 minutes. Goggles worn and upper eyelids occasionally. Get medical attention immediately. Inhalation: Remove to fresh air. If eye breathing, give artificial respiration. If breathing is difficult, give oxygen. Caution: 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 a physician immediately.

SECTION VIII
Special Protection
Organic cartridge or self-contained
Respiration Protection
Ventilation
Protective Gloves
Other Protective Equipment
Lab coat

SECTION IX
Special Precautions
Precautions to be taken in handling & storing
Store in a cool, well ventilated location.

Other Precautions
Approved by Steven C. Olandt Effective Date 11/29/94

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