

IMPORTANT

MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL OSHA requires that this form be kept on file.

Product No. KM 974 M

Product Name ETHYL ALCOHOL, 70%

IN WATER, (DENATURED)

24 HOUR EMERGENCY ASSISTANCE CHEMTREC 800-424-9300 4-EXTREME **Health Hazard**

3-SEVERE 2-MODERATE

Flammability Reactivity

Synonyms	Proprietary Solvent
Formula	C₂H₅OH

64-17-5

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0-MINIMAL

C.A.S. No.

Principal Hazardous Comp	oonent(s)	%	P.E.L.	TLV Units
Ethyl Alcohol	C.A.S. #64-17-5	>9	1000 ppm (TWA)	1000 ppm (TWA
Isopropyl Alcohol	C.A.S. #67-63-0	>9	400 ppm (TWA)	400 ppm (TWA)
*Methyl Isobutyl Ketone	C.A.S. #108-10-1	.9	50 ppm(TWA)	50 ppm(TWA)
*Methyl Alcohol	C.A.S. #67-56-1	5	200 (skin)	200(skin)
Water	C.A.S. #7732-18-5	30%	N/A	N/A

★ chemical subject to the reporting requirements of SARA Title III.

SECTION OF SECTION	TO PERIODICAL PARTIES		
Melting Point (°F)	<-114°C	Specific Gravity (H ₂ O=1)	0.80
Boiling Point (°F)	78°C	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	47 @ 25°C	Evaporation Rate (Ether =1)	<1
Vapor Density (Air=1)	>1		

Solubility in Water Miscible

Clear-water white, alcoholic odor. Appearance & Odor

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Flash Point	13° closed cup	Flammable Limits in Air	Lower	Upper
(Method Used)		% by Volume	3.3	19.0
Extinguisher Media	Water spray, dry chemical, for exposed containers cool.	am or carbon dioxide. Water s	pray may be us	ed to keep fire

Special Firefighting 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.

Unusual 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.

Denatured alcohol, 3, NA1987, PGII

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Threshold Limit Value

See Section II

Effects of Overexposure

Toxic due to denaturants. Acute: Irritation to eyes, skin, lungs and GI tract. Narcosis, nausea, vision impairment. Chronic: Dermatitis. Blindness due to presence of methanol. Kidney and liver damage.

Emergency and First Aid Procedures

Skin: Remove any contaminated clothing. Wash skin with soap and water from at least 15 minutes. Get medical attention if irritation develops or persists. Eyes: Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing 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 a physician immediately.

Stability		Conditions to Avoid			
Stable 🗀	Unstable 🖵	Avoid heat and ignition sources.			
Incompatibility (Materials to Avoid)		Strong oxidants, silver salts, halogen halides, alkali metals, metal hydrides.			
Hazardous Decomposition Products		Carbon Oxides			
Hazardous P	olymerization	Conditions to Avoid			
May Occur	Will Not Occur	None			

Steps to be Taken in Case Material is Released or Spilled 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 a furne hood. Allow enough time for turnes to clear hood, then ignite paper in a suitable location away from combustible materials. Large spills:Contain and recover liquid when possible or absorb with vermiculite, dry sand, earth or similar material. Scoop up with non-sparking tool and place in a closed container.

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Can be liquid incinerated in RCRA-approved combustible chamber or absorb with vermiculite, dry sand, earth, or similar material. Scoop up with non-sparking tools, place in closed container, and dispose in an approved facility. Do not flush to the sewer

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Respiration Protection (Specify Type)	Organic cartr	idge o	r self-containe	d.	
Ventilation	Local Exhaust	Х	s	pecial	
	Mechanical (General)	Х	o	ther	******
Protective Gloves	Vinyl or Rubber		Eye Protect	ion	Goggles
Other Protective Equipment	Lab coat			'; !	

GREGIAL PREGALETO

Precautions to be Taken in Handling & Storing Keep container tightly closed when not in use.

Store in a cool well ventilated location.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals

Conditions Aggravated/Target Organs: Persons with skin, eye, respiratory or kidney/liver disorders may be more susceptible. Liver/Kidney.

Effective Date 11/15/94 Approved by Steven C. Quandt household use. Keep out of reach of children

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