

# IMPORTANT

## MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
OSHA requires that this form be kept on file.
Product No. KM 602 M
Product Name ETHYL ALCOHOL,
SPECIALLY DENATURED

# 24 HOUR EMERGENCY ASSISTANCE CHEMTREC 800-424-9300 HAZARD RATING HEALTH HEALTH HAZARD 3

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O-MIN	IMAL	

Health Hazard	3
Flammability	3
Reactivity	0

SECTION	NAME
Chemical Synonyms	Proprietary Solvent
Formula	C₂H₅OH
C.A.S. No.	64-17-5

SECTION III Principal Hazardous Com		AARDOUS MEREI Marana	DENIA %	OF MIXTURE P.E.L.	TLV Units
Ethyl Alcohol Isopropyl Alcohol *Methyl Isobutyl Ketone *Methyl Alcohol	C.A.S. C.A.S. C.A.S.	#64-17-5 #67-63-0	>9 >9 .9 .9	1000 ppm (TWA) 400 ppm (TWA) 50 ppm(TWA) 200 (skin)	1000 ppm (TWA) 400 ppm (TWA) 50 ppm(TWA) 200(skin)
★ chemical subject to the reporting	DRIEDWING BRANCH BANKS BANKS BANKS				

SECTION III  Melting Point (°F)	<-114°C	Specific Gravity (H₂O=1)	0.80
Boiling Point (°F)	78°C	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	47 @ 25°C	Evaporation Rate ( Ether =1)	3.3
Vapor Density (Air=1)	1.6	Section Control Contro	
Solubility in Water	100%		
Appearance & Odor	Clear colorless liquid, mild odor.		

REFERENCE	SERIE AND E	Metheralous askayatin	MATTA STATE	
Flash Point	13° closed cup	Flammable Limits in Air	Lower	Upper
(Method Used)	·	% by Volume	3.3	19.0
	Water spray, dry chemical to keep fire exposed cont		Water spray	may be used

## 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.

D.O.T. Denatured alcohol, 3, NA1987, PGII

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

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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.

REACTIVITY DATA Conditions to Avoid
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Strong oxidants, silver salts, halogen halides, alkali metals, metal hydrides.
Carbon oxides.
Conditions to Avoid
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 fume hood. Allow enough tome for fumes 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.

Respiration Protection (Specify Type)	Organic cartridge of	r self-contained.	
	Local Exhaust X	Special	
Ventilation	Mechanical (General) X	Other	[
Protective Gloves	Vinyl or Rubber	Eye Protection	Goggles
Other Protective Equipment	Lab coat		

## STANTONING

## SHEMMENTER STEELS

## 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.

Approved by Steven C. Quandt

Effective Date 04/06/95

For laboratory use only. Not for drug, food or household use. Keep out of reach of children

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