

DENATURED ALCOHOL

MSDS Number

BHJSC

National Stock Number

6810-00-205-6790

Product Name

DENATURED ALCOHOL

Manufacturer

QUANTUM CHEMICAL CORP USI DIV

Product Identification

Product ID:DENATURED ALCOHOL

MSDS Date:03/28/1991

FSC:6810

NIIN:00-205-6790

MSDS Number: BHJSC

Responsible Party

QUANTUM CHEMICAL CORPORATION USI DIVISION

11500 NORTHLAKE DRIVE

CINCINNATI , OH 45249

US

Emergency Phone: 713-479-2873

Info Phone: 513-530-6917

Preparer: QUANTUM CHEMICAL CORP

Cage: 78918

Contractor

QUANTUM CHEMICAL CORPORATION USI DIVISION

429550

CINCINNATI, OH 45249

US

713-479-2873/800-424-9300(CHEMTREC)

Cage: 78918

Ingredients

ETHYL ALCOHOL (ETHANOL)

CAS: 64-17-5

RTECS: KQ6300000

Fraction By Weight: 95.2%

OSHA PEL1000 PPM

ACGIH TLV: 1000 PPM; 9192

METHYL ALCOHOL (METHANOL) (SARA III)

CAS: 67-56-1

RTECS: PC1400000

Fraction By Weight: 4.8%

OSHA PELs,200PPM/250STEL
ACGIH TLV: S,200PPM/250STEL; 93
EPA Report Quantity: 5000 LBS
DOT Report Quantity: 5000 LBS

BENZENE (SARA III)
CAS: 71-43-2
RTECS: CY1400000
Fraction By Weight: >0.5%PPM
OSHA PEL1PPM/5STEL;1910.1028
ACGIH TLV: 10 PPM; A2; 9192
EPA Report Quantity: 10 LBS
DOT Report Quantity: 10 LBS

Hazards

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 7060 MG/KG (ETHANOL)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:**POISON** ACUTE: INHALATION:MAY CAUSE
HEADACHE, DROWINESS & LASSITUDE, LOSS OF APPETITE & INABILITY TO
CONCENTRATE. IRRITATION OF THE THROAT. INGESTION:CAN CAUSE
DEPRESSION OF CNS, NAUSEA, VOMITING & DIARRHEA. EYE:LIQUID OR
VAPOR MAY CAUSE IRRITATION. SKIN:MAY CAUSE IRRITATION AND DEFATTING
OF SKIN ON PROLNGD CONTACT.
Explanation of Carcinogenicity:CONTAIN ETHYL ALCOHOL WHICH IS HUMAN CARCINOGEN.
Effects of Overexposure:MAY CAUSE EYE, SKIN & RESPIRATORY TRACT
IRRITATION. INDIVIDUAL RESPONSES TO METHYL ALCOHOL VARY. INGESTION
OF LESS THAN 30 ML HAS BEEN FATAL TO HUMANS. IN GENERAL, A FEW
OUNCES MAY CAUSE BLINDNESS AND DEATH; AS LITTLE AS 4 ML MAY BE
TOXIC IF INGESTED. MAY CAUSE HEADACHE, DROWINESS, CNS DEPRESSION,
NAUSEA, & DIARRHEA.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTING DISEASE INVOLVING THE SKIN, EYE, RESPIRATORY
TRACT, LIVER OR KIDNEY MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER
FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED
CLOTHIN G. FLUSH WITH WATER. IF IRRITATION PERSISTS, GET MEDICAL
ADVICE. INGESTION:DO NOT INDUCE VOMITING UNLESS INSTRUCTED TO DO
SO. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL
ATTENTION.

Fire Fighting

Flash Point Method:TCC
Flash Point:=12.8C, 55.F
Autoignition Temp:=362.8C, 685.F
Lower Limits:3.3
Upper Limits:19.0
Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER
FOG.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE
PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.USE PROPER PERSONAL
PROTECTION.

Accidental Release

Spill Release Procedures:WEAR APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING. CONTAIN SPILLED MATERIAL. TRANSFER TO SECURE CONTAINERS. WHERE NECESSARY, COLLECT USING ABSORBENT MEDIA. ELIMINATE ANY SOURCE OF IGNITION. VENTILATE AREA. WASH RESIDUE WITH WATER.

Neutralizing Agent:NOT APPLICABLE.

Handling

Handling and Storage Precautions:STORE IN A FLAMMABLE LIQUID STORAGE ROOM OR CABINET. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:MAKE FREQUENT CAREFUL LEAKAGE INSPECTIONS. ISOLATE FROM OXIDIZERS, CHEMICALS CAPABLE OF SPONTANEOUS HEATING, MATERIALS REACTING WITH AIR OR MOISTURE TO LIBERATE HEAT, IGNITION SOURCES AND EXPLOSIVES. KEEP OUT OF DIRECT SUN & AWAY FROM HEAT.

Exposure Controls

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS. RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM AND CONCENTRATION OF CONTAMINANT IN AIR & IN ACCORDANCE WITH OSHA (29 CFR 1910.134).

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.

Protective Gloves:NEOPRENE, NITRILE, VPC OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO

NOT BREATHE VAPORS OR MISTS. CAUTION: FOR MANUFACTURING, PROCESSING, REPACKING OR INDUSTRIAL USE. NOT FOR HOUSEHOLD USE.

CONTAINER HAZARDOUS WHEN EMPTY. EMPTIED CONTAINERS RETAIN RESIDUAL LIQUID AND VAPOR. FOLLOW PRECAUTIONS ON LABEL AND IN MSDS.

Chemical Properties

HCC:F5

NRC/State Lic Num:NOT RELEVANT

Boiling Pt: =78.3C, 173.F

Vapor Pres:44.6

Vapor Density:1.59

Spec Gravity:0.7938

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR AND COLORLESS LIQUID;THIS DATA FOR PURE ETHYL ALCOHOL.

Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS,ACETYL CHLORIDE.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:CARBON MONOXIDE CAN FORM ON INCOMPLETE COMBUSTION.

Disposal

Waste Disposal Methods:ALL RECOVERED MATERIAL SHOULD BE PACKAGED, LABELED, TRANSPORTED, AND DISPOSED OR RECLAIMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS AND IN CONFORMANCE WITH GOOD ENGINEERING PRACTICES.

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