

SPECIALLY DENATURED ALCOHOL (SDA) 3A 190 PROOF

MSDS Number

CBRZY

National Stock Number

6810-00-577-4889

Product Name

SPECIALLY DENATURED ALCOHOL (SDA) 3A 190 PROOF

Manufacturer

QUANTUM CHEMICAL CORP USI DIV

Product Identification

Product ID:SPECIALLY DENATURED ALCOHOL (SDA) 3A 190 PROOF

MSDS Date:11/28/1995

FSC:6810

NIIN:00-577-4889

MSDS Number: CBRZY

Responsible Party

QUANTUM CHEMICAL CORPORATION USI DIVISION

11500 NORTHLAKE DRIVE

CINCINNATI , OH 45249

US

Emergency Phone: 713-479-2873/800-424-9300(CHEMTREC)

Info Phone: 513-530-6917

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: 88.1%

OSHA PEL1000 PPM

ACGIH TLV: 1000 PPM; 9596

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 7.2%

METHYL ALCOHOL (METHANOL) (SARA 313) (CERCLA)

CAS: 67-56-1

RTECS: PC1400000

Fraction By Weight: 4.7%

OSHA PELS, 200 PPM

ACGIH TLV: S,200PPM/250STEL; 96

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 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:MAY CAUSE EYE, SKIN AND 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 CENTRAL NERVOUS SYSTEM DEPRESSION.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, DRYING.

INHALATION: HEADACHE, DROWSINESS, LASSITUDE, LOSS OF APPETITE,

INABILITY TO CONCENTRATE. INGESTION: CENTRAL NERVOUS SYSTEM

DEPRESSION, NAUSEA, VOMITING, DIARRHEA.

Medical Condition Aggravated by Exposure:PERSONS WITH A HISTORY OF ILLNESSES 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

CLOTHING. FLUSH WITH WATER. IF IRRITATION PERSISTS, GET MEDICAL

ADVICE. INGESTION:IF CONSCIOUS, GIVE WATER TO DRINK. NOTHING BY

MOUTH IF UNCONSCIOUS. SEE DOCTOR IMMEDIATELY.

Fire Fighting

Flash Point Method:TCC

Flash Point:55.0F,12.8C

Lower Limits:3.3

Upper Limits:19

Extinguishing Media:DRY CHEMICAL, ALCOHOL FOAM, CARBON DIOXIDE. WATER MAY BE INEFFECTIVE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. VAPORS HEAVIER THAN AIR. CAN TRAVEL ALONG GROUND AND FLASHBACK.

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:NONE SPECIFIED BY MANUFACTURER.

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

Chemical Properties

HCC: F2

Boiling Pt: B.P. Text: 173F, 78C

Melt/Freeze Pt: M.P/F.P Text: -173F, -114C

Vapor Pres: 45

Vapor Density: 1.59

Spec Gravity: 0.78-0.85

Evaporation Rate & Reference: 1.4 (BUTYL ACETATE = 1)

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR, COLORLESS LIQUID, ALCOHOL ODOR

Stability

Stability Indicator/Materials to Avoid: YES

ACETYL CHLORIDE OR OTHER OXIDIZING AGENTS MAY RESULT IN A VIOLENT REACTION.

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products: NONE EXPECTED.

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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.