SDA 3A ANHYDROUS 200 PROOF

MSDS Number

BHBYC

National Stock Number

6810-00-201-0904

Product Name

SDA 3A ANHYDROUS 200 PROOF

Manufacturer

QUANTUM CHEMICAL CORP USI DIV

Product Identification

Product ID:SDA 3A ANHYDROUS 200 PROOF
MSDS Date:02/28/1989
FSC:6810
NIIN:00-201-0904
MSDS Number: BHBYC

Responsible Party

QUANTUM CHEMICAL CORPORATION USI DIVISION

11500 NORTHLAKE DRIVE

CINCINNATI , OH 45249

US

Emergency Phone: 713-479-2873

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: RQ6300000

Fraction By Weight: 95.2%

OSHA PEL1000 PPM

ACGIH TLV: 1000 PPM; 8990

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:

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: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 PROLONGED CONTACT.
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A 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
Lower Limits:3.3
Upper Limits:19
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:TOXIC FUMES MAY BE GENERATED IN HEAT OF FIRE.

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 IGNITI ON. 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 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 HOUSHOLD USE. CONTAINE R 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
Melt/Freeze Pt:=-113.7C, -173.F
Vapor Pres:44.6
Vapor Density:1.59
Spec Gravity:0.7938
Evaporation Rate & Reference:1.4 (N-BUTYL ACETATE=1)
Solubility in Water:COMPLETE
Appearance and Odor:CLEAR,COLORLESS LIQUID.

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS,ACETYL CHLORIDE.
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, 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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