

ISOPROPYL ALCOHOL (99%)

MSDS Number

BHBYL

National Stock Number

6810-00-286-5435

Product Name

ISOPROPYL ALCOHOL (99%)

Manufacturer

ARCO CHEMICAL COMPANY DIV OF ATLANTIC RICHFIELD

Product Identification

Product ID:ISOPROPYL ALCOHOL (99%)

MSDS Date:11/03/1993

FSC:6810

NIIN:00-286-5435

MSDS Number: BHBYL

Responsible Party

ARCO CHEMICAL COMPANY, DIV OF ATLANTIC RICHFIELD

1500 MARKET STREET

PHILADELPHIA , PA 19101

US

Emergency Phone: 215-353-8300,CHEMTREC 800-424-9300

Info Phone: 800-321-7000

Cage: 3D253

Contractor

PRILLAMAN CHEMICAL CORP

1606

SUFFOLK, VA 23434-1606

US

804-539-7401

Cage: 0G5T1

Ingredients

ISOPROPYL ALCOHOL (SARA III)

CAS: 67-63-0

RTECS: NT8050000

Fraction By Weight: 99%

OSHA PEL400 PPM/500 STEL

ACGIH TLV: 400 PPM/500STEL;9192

Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-EYE:MAY CAUSE SEVERE EYE IRRITATION. INGESTION:MAY BE SLIGHT HEALTH HAZARD IF INGESTED IN LARGE QUANTITIES. SKIN:NO SIGNIFICANT HEALTH HAZARD FROM ABSORPTION OR EXPOSURE. CHRONIC-PROLONGED EXPOSURE CAN BE IRRITATING TO MUCOUS MEMBRANES.

Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED AS HAVING

ANY EVIDENCE OF BEING CARCINOGENIC.

Effects of Overexposure:PROLONGED OVEREXPOSURE OF VAPORS MAY CAUSE COUGHING, DIZZINESS, SHORTNESS OF BREATH, AND INTOXICATION.

Medical Cond Aggravated by Exposure:MATERIAL OR ITS EMISSIONS MAY AFFECT MUCOUA TISSUE AND/OR AGGRAVATE MUCOUS MEMBRANE DYSFUNCTION.

First Aid

First Aid:INHALATION:REMOVE VICTIM TO FRESH AIR IMMEDIATELY. GIVE OXYGEN OR PERFORM CPR. OBTAIN MEDICAL ATTENTION. EYE:IMMEDIATELY RINSE WITH CLEAN WATER FOR 20-30 MIN. OBTAIN MEDICAL ATTENTION. SKIN:WASH SKIN THOROUGHLY WITH MILD SOAP/WATER. FLUSH WITH LUKE WARM WATER FOR 15 MIN. IF STICKY, USE WATERLESS CLEANER FIRST. INGESTION:GIVE LUKEWARM WATER (PINT). DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

Fire Fighting

Flash Point Method:TCC

Flash Point:53.0F,11.7C

Autoignition Temp:Autoignition Temp Text:750F

Lower Limits:2

Upper Limits:12.7

Extinguishing Media:ALCOHOL TYPE FOAM, DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY, WATER FOG

Fire Fighting Procedures:DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTION. FIGHT FIRE FROM SAFE DISTANCES. USE WATER SPRAY/FOG FOR COOLING. EXTINGUISHING FIRE BY DILUTION MAY NOT WORK.

Unusual Fire/Explosion Hazard:RELEASES FLAMMABLE VAPOR BELOW AMBIENT TEMPS. CAN BURN OR EXPLODE WHEN MIXED W/AIR. VAPORS ARE HEAVIER THAN AIR & MAY TRAVEL ALONG GROUND & 'FLASH BACK'.

Accidental Release

Spill Release Procedures:EXTREMELY FLAMMABLE LIQUID. FIRE/EXPLOSION HAZARD. EVACUATE/LIMIT ACESS. WEAR PROPER PROTECTION. STOP RELEASE. STOP FLOW TO SEWERS/PUBLIC WATERS. SOAK UP SMALL SPILL WITH INERT SOLIDS. USE SUITABLE DI SPOSAL CONTAINERS. BLANKET LARGE SPILLSWITH FOAM.

Neutralizing Agent:NONE

Handling

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS AWAY FROM HEAT,SPARKS,OPEN FLAME & STRONG OXIDIZING AGENTS. EMPTY CONTAINERS MAY CONTAIN FLAMMABLE VAPOR RESIDUE.

Other Precautions:USE NON-SPARKING TOOLS. VENT CAREFULLY BEFORE REMOVING CLOSURE. GROUND CONTAINERS W/NATIONAL ELECTRICAL CODE EQUIPMENT BEFORE TRANSFERRING MATERIAL. MATERIAL MAY ATTACK SOME FORMS OF PLASTIC, ALUMINUM , RUBBER AND COATINGS.

Exposure Controls

Respiratory Protection:IF EXPOSURE EXCEEDS THE PEL/TLV, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION EQUIPMENT AS SPECIFIED IN THE NIOSH/OSHA 1981 OCCUPATIONAL HEALTH GUIDELINES FOR CHEMICAL HAZARDS.

Ventilation:NO SPECIAL VENTILATION BEYOND THAT FOR NORMAL COMFORT IS USUALLY REQUIRED TO MEET EXPOSURE STANDARDS.

Protective Gloves:NOT NORMALLY CONSIDERED A SKIN HAZARD.

Eye Protection:CHEMICAL SPLASH GOGGLES & FACESHIELD

Other Protective Equipment:EMERGENCY EYE WASH STATION & SAFETY SHOWER SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

ISOLATE, VENT, DRAIN, WASH & PURGE SYSTEMS OR EQUIPMENT BEFORE MAINTENANCE OR REPAIR. REMOVE ALL IGNITION SOURCES, CHECK ATMOSPHERE FOR EXPLOSIVENESS & OXYGEN DEFICIENCIES. USE ADEQUATE PERSONAL PROTECTIVE EQUIPMENT. OBSERVE PRECAUTIONS PERTAINING TO CONFINED SPACE ENTRY.

Chemical Properties

HCC:F2
NRC/State Lic Num:NONE
Boiling Pt:B.P. Text:180F,82C
Melt/Freeze Pt:M.P/F.P Text:-127F,-88C
Vapor Pres:33 MM
Vapor Density:2.1
Spec Gravity:0.78
pH:N/AP
Solubility in Water:COMPLETE
Appearance and Odor:LIQUID, MEDICINAL ODOR ANALOGOUS TO RUBBING
ALCOHOL, CLEAR, COLORLESS

Stability

Stability Indicator/Materials to Avoid:YES
ALUMINUM METALS, NITROFORM, STRONG OXIDIZING AGENTS, SULFURIC ACID.
Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAME, OTHER IGNITION
SOURCES, OXIDIZING CONDITIONS.
Hazardous Decomposition Products:INCOMPLETE COMBUSTION MY YIELD CARBON
MONOXIDE AND OTHER TOXIC GASES.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

Disposal

Waste Disposal Methods:CONTAMINATED PRODUCT/SOIL/WATER MAY BE RCRA
HAZARDOUS WASTE. LANDFILL SOLIDS AT PERMITTED SITES. USE REGISTERED
TRANSPORTERS. BURN CONCENTRATED LIQUIDS IN SYSTEMS COMPATIBLE WITH
WATER SOLUBLE WASTE. AVOID FLAMEOUTS. ASSURE EFFLUENT
COMPLYSW/REGS.

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