

ARCO CHEMICAL COMPANY, DIV OF ATLANTIC RICHFIELD -- ISOPROPYL ALCOHOL (99%) --
6810-00-286-5435

===== Product Identification =====

Product ID:ISOPROPYL ALCOHOL (99%)

MSDS Date:11/03/1993

FSC:6810

NIIN:00-286-5435

MSDS Number: BHBYL

=== Responsible Party ===

Company Name:ARCO CHEMICAL COMPANY, DIV OF ATLANTIC RICHFIELD

Address:1500 MARKET STREET

Box:7258

City:PHILADELPHIA

State:PA

ZIP:19101

Countr

y:US

Info Phone Num:800-321-7000

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

CAGE:3D253

=== Contractor Identification ===

Company Name:ARCO CHEMICAL COMPANY, DIV OF ATLANTIC RICHFIELD

Address:1500 MARKET STREET

Box:7258

City:PHILADELPHIA

State:PA

ZIP:19101

Country:US

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

CAGE:3D253

Company Name:PACKAGING SERVICES INC

Address:472 SHANK RD

Box:875

City:PEARLAND

State:TX

ZIP:77581

Country:US

Phone:713-485-1457

CAGE:9V846

Company Name:PRILLAMAN CHEMI

CAL CORP
Address:201 SUBBURBAN DR
Box:1606
City:SUFFOLK
State:VA
ZIP:23434-1606
Country:US
Phone:804-539-7401
CAGE:0G5T1

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Composition/Information on Ingredients
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Ingred Name:ISOPROPYL ALCOHOL (SARA III)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 99%
Other REC Limits:NONE SPECIFIED
OSHA PEL:400 PPM/500 STEL
ACGIH TLV:400 PPM/500STEL;9192

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
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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 MUCOSA TISSUE AND/OR AGGRAVATE MUCOUS MEMBRANE DYSFUNCTION.

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First Aid Measures
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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 Measures =====

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 Measures =====

Spill Release Procedures:EX
TREMELY FLAMMABLE LIQUID. FIRE/EXPLOSION HAZARD. EVACUATE/LIMIT ACCESS. WEAR PROPER PROTECTION. STOP RELEASE. STOP FLOW TO SEWERS/PUBLIC WATERS. SOAK UP SMALL SPILL WITH INERT SOLIDS. USE SUITABLE DISPOSAL CONTAINERS. BLANKET LARGE SPILLS WITH FOAM.
Neutralizing Agent:NONE

===== Handling and Storage =====

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/Personal Protection =====

Respiratory Protection:IF EXPOSURE EXCEEDS THE PEL/TLV, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION EQUIPMENT AS SPECIFIED

ED 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.

===== Physical/Chemical Properties =====

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CC: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 and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ALUMINUM METALS, NITROFORM, STRONG OXIDIZING AGENTS, SULFURIC ACID.

Stability Condition to Avoid:HEAT, SP

ARKS, 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 Considerations =====

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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