

ARCO CHEMICAL COMPANY, DIV OF ATLANTIC RICHFIELD -- ISOPROPYL ALCOHOL 99% --
6810-00-855-1158

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

Product ID:ISOPROPYL ALCOHOL 99%

MSDS Date:11/03/1990

FSC:6810

NIIN:00-855-1158

MSDS Number: BNMRN

=== Responsible Party ===

Company Name:ARCO CHEMICAL COMPANY, DIV OF ATLANTIC RICHFIELD

Address:1500 MARKET STREET

Box:7258

City:PHILADELPHIA

State:PA

ZIP:19101

Country:US

Info Phone Num:800-321-7000

Emergency Phone Num:215-353-8300

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:PRILLAMAN CHEMICAL CORP

Address:201 SUBBURBAN DR

Box:1606

City:SUFFOLK

State:VA

ZIP:23434-1606

Country:US

Phone:804-539-7401

CAGE:0G5T1

===== Composition/Information on In

Ingredients =====

Ingredient 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/500 STEL; 9192

===== Hazards Identification =====

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 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 MAY CAUSE COUGHING, DIZZINESS, SHORTNESS OF BREATH, AND INTOXICATION.

Medical Condition Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

===== First Aid

Measures =====

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: CC

Flash Point: 53.0F, 11.7C

Lower Limits: 2

Upper Limits: 12

Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY, WATER FOG, FOAM FOR ALCOHOLS.

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

Unusual Fire/Explosion Hazard: EXTINGUISH ALL NEARBY SOURCES OF IGNITION BECAUSE VAPORS MAY BE MOVED BY AIR CURRENT TO IGNITION SOURCES

DISTANT FROM THE HANDLING POINT.

===== Accidental Release Measures =====

Spill Release Procedures:EXTREMELY 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.
Other Precautions:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. 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 IN THE NIOSH/OSHA 1981 OCCUPATIONAL HEALTH GUIDELINES FOR CHEMICAL HAZARDS.
Ventilation:NO SPECIAL VENTILATION IS USUALLY REQUIRED TO MEET EXPOSURE STANDARDS.
Protective Gloves:NOT NORMALLY CONSIDERED A SKIN HAZARD.
Eye Protection:CHEMICAL SPLASH GOGGLES &/OR 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

STORAGE: USE ONLY NON-SPARKING TOOLS. STORE DRUMS WITH THE BUNG IN UP POSITION. CAREFULLY VENT INTERNAL PRESSURE BEFORE REMOVING CLOSURE. CONTAINER MUST BE GROUNDED BEFORE BEGINNING TRANSFER. ELECTRICAL EQUIPMENT SHOULD CONFORM TO NATIONAL ELEC

TRICAL CODE.

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

HCC:F2

Boiling Pt:B.P. Text:180F,82C

Melt/Freeze Pt:M.P/F.P Text:-127F,-88C

Vapor Pres:33

Vapor Density:2.1

Spec Gravity:0.78

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR COLORLESS LIQUID WITH MEDICINAL ODOR
ANALOGOUS TO RUBBING ALCOHOL.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, OPEN FLAMES/SPARKS, ALUMINUM METAL,
NITROFORM, OLEUM.

Stability Condition to Avoid:HIGH TEMPERATURES; STRONG OXIDIZING
CONDITIONS.

Hazardous Decomposition Products:INCOMPLETE COMBUSTION MAY YIELD CARBON
MONOXIDE AND OTHER TOXIC GASES.

===== 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.

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.