

ARCO CHEMICAL COMPANY, DIV OF ATLANTIC RICHFIELD -- ISOPROPYL ALCOHOL (99%) --
6810-00-543-7915

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

Product ID:ISOPROPYL ALCOHOL (99%)

MSDS Date:11/03/1990

FSC:6810

NIIN:00-543-7915

MSDS Number: BFDRT

=== 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

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:SOLVENTS AND CHEMICALS, INC.

Address:4

704 SHANK ROAD
Box:City:PEARLAND
State:TX
ZIP:77588-0490
Country:US
Phone:281-485-5377
CAGE:4W432

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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%
OSHA PEL:400 PPM/500 STEL
ACGIH TLV:400 PPM/500STEL;9192

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50 (RAT) = 5840 MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of
Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: OVEREXPOSURE MAY LEAD TO CNS
DEPRESSION. EYE: MAY LEAD TO IRRITATION AND WILL INJURE EYE TISSUE
IF NOT REMOVED PROMPTLY. INGESTION: SLIGHT HEALTH HAZARD. CHRONIC:
PROLONGED EXPOSURE CAN BE IRRITATING TO MUCOUS MEMBRANES. MAY CAUSE
DERMATITIS.
Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED AS HAVING
ANY EVIDENCE OF BEING CARCINOGENIC.
Effects of Overexposure:INHALATION: DIZZINESS, SHORTNESS OF BREATH,
HEADACHES, NAUSEA. EYES: REDNESS, TEARING, BLURRED VISION.
INGESTION: NAUSEA, VOMITING.
Medical Cond Aggravated by Exposure:PERSONS WITH SKIN, HEART,
RESPIRATORY, OR ANY OTHER MEDICAL CONDITION SHOULD USE CAUTION WHEN
HANDLING OR USING THIS PRODUCT.

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First Aid Measures
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First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER.
GET MEDICAL ATTENTION AS REQUIRED. INHALATION: IMMEDIATELY REMOVE

VICTIUM TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. G ET PROMPT MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH WITH WATER FOR 20 MINUTES WITH EYELIDS HELD OPEN. GET PROMPT MEDICAL ATTENTION. INGESTION: GET PROMPT MEDICAL ATTENTION. DO NOT INDUCE VOMITING.

===== Fire Fighting Measures =====

Flash Point Method:CC
Flash Point:53.0F,11.7C
Autoignition Temp:Autoignition Temp Text:750F
Lower Limits:2
Upper Limits:12
Extinguishing Media
:DRY CHEMICAL, CARBON DIOXIDE, FOAM FOR ALCOHOLS,
WATERSPRAY, WATER FOG
Fire Fighting Procedures:WEAR PROPER PROTECTION AND SCBA TO FIGHT FIRE.
USE WATER SPRAY/FOG FOR COOLING FIRE EXPOSED CONTAINERS. FIGHT FIRE
FROM SAFE DISTANCE.
Unusual Fire/Explosion Hazard:HEAT MAY BUILD PRESSURE AND RUPTURE
CLOSED CONTAINERS. WATER MAY BE INEFFECTIVE IN FIGHTING FIRE DUE TO
LOW FLASH POINT. DECOMPOSITION PRODUCTS ARE POSSIBLE.

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

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Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. EVACUATE
AREA. VENTILATE AREA. STOP RELEASE. DIKE TO CONTAIN SPILL. WEAR
PROPER SAFETY EQUIPMENT. IF AMOUNT IS LARGE, REMOVE LIQUID BY
VACUUM. IF SMALL, ABSORB ON IN ERT MATERIAL. PLACE IN CONTAINER FOR
DISPOSAL.
Neutralizing Agent:DILUTE WITH WATER

===== 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, ALU MINUM, RUBBER AND COATINGS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED AIR-PURIFYING OR
SUPPLIED AIR

RESPIRATOR AS APPROPRIATE. IF RESPIRATOR USED; A PROGRAM IN ACCORDANCE WITH 29 CFR 1910.134 MUST BE IMPLEMENTED.
Ventilation:MECHANICAL(GENERAL) EXHAUST RECOMMENDED. 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:EYE WASH STATION & SAFETY SHOWERS 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
NONE

===== 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
Evaporation Rate & Reference:1.7(N-BUTYL ACETATE = 1)
Solubility in Water:COMPLETE
Appearance and Odor:CLEAR, COLORLESS LIQUID
; ALCOHOL ODOR
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, ALUMINUM METAL, OLEUM
Stability Condition to Avoid:HIGH TEMPERATURES
Hazardous Decomposition Products:INCOMPLETE COMBUSTION MAY YIELD CARBON MONOXIDE AND OTHER TOXIC GASES

===== Disposal Considerations =====

Waste Disposal Methods:LAND FILL SOLIDS AT PERMITTED SITES. BURN

CONCENTRATED LIQUIDS IN SYSTEMS COMPATIBLE WITH WATER SOLUBLE WASTES. AVOID FLAMEOUTS. ASSURE EMISSIONS COMPLY WITH APPLICABLE REGULATIONS. DILUTE AQUEOUS WASTE MAY BIODEGRADE. AVOID POISONING PLANTBIOMASS.

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