

ARCO CHEMICAL COMPANY, DIV OF ATLANTIC RICHFIELD -- ISOPROPYL ALCOHOL(99%) --
6810-00-753-4993

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

Product ID:ISOPROPYL ALCOHOL(99%)

MSDS Date:11/06/1989

FSC:6810

NIIN:00-753-4993

MSDS Number: BHCBW

=== 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:AMCO CHEMICAL CORP

Address:3RD - CYPRS

Box:208

City:OAKLAND

State:CA

ZIP:94607

Country:US

Phone:NOT IN BUSINESS! 911008P505A ???

CAGE:97984

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

Add

ress:472 SHANK RD
Box:875
City:PEARLAND
State:TX
ZIP:77581
Country:US
Phone:713-485-1457
CAGE:9V846

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Composition/Information on Ingredients
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Ingred Name:ISOPROPYL ALCOHOL (SARA III)
CAS:67-63-0
RTECS #:NT8050000
= 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:YES Ingestion:YES
Reports of Carci
nogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: OVEREXPOSURE MAY LEAD TO CNS
DEPRESSION, LEADING TO HEADACHES AND DIZZINESS. EYE: MAY LEAD TO
IRRITATION AND WILL INJURE EYE TISSUE IF NOT REMOVED PROMPTLY.
SKIN: NO HEALTH HAZARD FROM ABSORPTI ON OR EXPOSURE. INGESTION:
SLIGHT HEALTHHAZARD. CHRONIC: PROLONGED EXPOSURE CAN BE IRRITATING TO
MUCOUS MEMBRANES.
Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED AS HAVING
ANY EVIDENCE OF BEING C
ARCINOGENIC.
Effects of Overexposure:OVEREXPOSURE MAY LEAD TO DIZZINESS, SHORTNESS
OF BREATH, HEADACHES, DERMATITIS AND EYE IRRITATION. HIGH VAPOR
CONCENTRATIONS ARE ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS
SYSTEM EFFECTS.
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: REM

DO NOT WEAR CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER.

GET MEDICAL ATTENTION AS REQUIRED. INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. GET 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.

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

Flash Point Method:

CC

Flash Point: 11.7C, 53.F

Autoignition Temp: 398.9C, 750.F

Lower Limits: 12.0

Upper Limits: 12.0

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

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: VAPORS HEAVIER THAN AIR. CAN TRAVEL A LONG DISTANCE ALONG GROUND AND FLASHBACK.

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

Spill Release Procedures: FIRE HAZARD: 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 INERT MATERIAL. DISPERSE RESIDUE.

Neutralizing Agent: DILUTE WITH WATER

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===== 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.

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

Respiratory Protection: USE NIOSH/MSHA APPROVED

APPROVED RESPIRATOR. AIR-SUPPLIED

OR FILTERING TYPE WITH ORGANIC VAPOR CARTRIDGES ARE RECOMMENDED.

Ventilation:LOCAL AND MECHANICAL EXHAUST RECOMMENDED. AVOID OPEN ELECTRICAL SOURCES NEAR PRODUCT VAPOR AREAS.

Protective Gloves:NEOPRENE, NITRILE, OR POLYVINYL ALCOHOL

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:DO NOT TAKE INTERNALLY. AVOID SKIN CONTACT.

WASH SKIN AFTER USING PRODUCT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health

AVOID CONTACT WITH EYES AND SKIN.DO NOT BREATHE VAPORS/MIST.

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

HCC:F2

Boiling Pt:=82.2C, 180.F

Melt/Freeze Pt:=-88.3C, -127.F

Vapor Pres:33

Vapor Density:2.1,AIR=1

Spec Gravity:0.78

Evaporation Rate & Reference:3 (BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:C

LEAR,COLORLESS LIQUID.MEDICINAL ALCOHOL ODOR.

Percent Volatiles by Volume:APPREC

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

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

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

Waste Disposal Methods:LAND FILL S

OLIDS 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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