

ARCO CHEMICAL COMPANY, DIV OF ATLANTIC RICHFIELD -- ISOPROPYL ALCOHOL (99%) --  
6810-00-855-6160

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

Product ID:ISOPROPYL ALCOHOL (99%)

MSDS Date:11/03/1993

FSC:6810

NIIN:00-855-6160

MSDS Number: BWRBK

=== 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:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

=====

=====  
Composition/Information on Ingredients  
=====

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

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 5045 MG/KG

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

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

Health Hazards Acute and Chro

nic: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 EXPO SURE CAN BE IRRITATING TO  
MUCOUS MEMBRANES.

Explanation of Carcinogenicity:ISOPROPANOL IS CLASSIFIED

IARC-3(INSUFFICIENT EVIDENCE-HUMAN).

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

Medica

I Cond Aggravated by Exposure:MATERIAL OR ITS EMISSIONS MAY

AFFECT MUCOUA TISSUE AND/OR AGGRAVATE MUCOUS MEMBRANE DYSFUNCTION.

=====  
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. FLUSHWITH 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:53.0F,11.7C

Extinguishing Media:WATER,DRY CHEMICAL,CARBON DIOXIDE,FOAM.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER  
FOG.

Unusual Fire/Explosion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC

FUMES.

===== 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:STO

RE 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 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 PERTAIN

ING TO  
CONFINED SPACE ENTRY.

===== Physical/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 and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS.  
Stability Condition to Avoid:HIGH HEAT,SOURCES OF IGNITION.  
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 S  
YSTEMS COMPATIBLE WITH  
WATER SOLUBLE WASTE. AVOID FLAMEOUTS. ASSURE EFFLUENT  
COMPLYSW/REGS.

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.