

EXXON CHEMICAL AMERICAS -- ISOPROPYL ALCOHOL ANHYDROUS -- 6810-00-855-6160

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

Product ID:ISOPROPYL ALCOHOL ANHYDROUS

MSDS Date:12/11/1997

FSC:6810

NIIN:00-855-6160

MSDS Number: BFSXB

=== Responsible Party ===

Company Name:EXXON CHEMICAL AMERICAS

Box:3272

City:HOUSTON

State:TX

ZIP:77001

Country:US

Info Phone Num:713-870-6885

Emergency Phone Num:800-726-2015

Resp. Pa

ty Other MSDS Num.:90275000

Preparer's Name:NOT PROVIDED

Chemtrec Ind/Phone:(800)424-9300

CAGE:72190

=== Contractor Identification ===

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

Contract Num:SP0450-00-M-D006

CAGE:4N760

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

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ZIP:77305

Country:US

Phone:409-756-1065

Contract Num:SP0450-00-M-

D808
CAGE:4N760
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
Contract Num:SP0450-01-M-D942

CAGE:4N760
Company Name:EXXONMOBIL CHEMICAL CO, DIV OF EXXON MOBILCORP.
Address:13501 KATY FWY
Box:3272
City:HOUSTON
State:TX
ZIP:77253-3272
Country:US
Phone:281-870-6000 / 800-726-2015
CAGE:72190

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

Ingred Name:ISOPROPYL ALCOHOL (SARA I
II)

CAS:67-63-0
RTECS #:NT8050000
= Wt:100.

Other REC Limits:NOT PROVIDED
OSHA PEL:400 PPM
OSHA STEL:500 PPM
ACGIH TLV:400 PPM
ACGIH STEL:500 PPM

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

LD50 LC50 Mixture:NOT PROVIDED.
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: IRRITATING AND WILL INJURE EYE
TISSUE IF NOT REMOVED PROMPTLY. SKIN: FREQUENT OR PROLONGED
CONTACT MAY IRRITATE AND CAUSE DERMATITIS. INHALATION: VAPOR

CONCENTRATIONS ABOVE RECOMMENDED EXPOSURE LEVELS ARE IRRITATING TO THE EYES AND THE RESPIRATORY TRACT, MAY CAUSE HEADACHES AND DIZZINESS, ARE ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS. NEGLIGLE HAZARD AT AMBIENT TEMPERATUR ES (-18 TO 38 DEG C; 0 TO 100 DEF F). INGESTION: SMALL AMOUNTS OF THE LIQUID ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION, OR FROM VOMITING, MAY CAUSE BRONCHIOPNEUMONIA OR PULMONARY EDEMA.

Explanation of Carcinogenic

ity:NONE

Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, DERMATITIS. INHALATION: IRRITATION, HEADACHES, DIZZINESS, CENTRAL NERVOUS SYSTEM EFFECTS. INGESTION: VOMITING, BRONCHIOPNEUMONIA OR PULMONARY EDEMA.

Medical Cond Aggravated by Exposure:NOT PROVIDED

===== First Aid Measures =====

First Aid:EYE: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES. GET PROMPT MEDICAL ATTENTION. SKIN: IMMEDIATELY

FLUSH WITH LARGE AMOUNT OF WATER; USE SOAP IF AVAILABLE. REMOVE CONTA MINATED CLOTHING, INCLUDING SHOES, AFTER FLUSHING HAS BEGUN. INHALATION: USING PROPER RESPIRATORY PROTECTION, IMMEDIATELY REMOVE THE AFFECTED VICTIM FROM EXPOSURE. ADMINISTER ARTIFICIAL RESPIRATION IF BREATHING IS STOPPED. KEEP AT REST. CALL FOR PROMPT MEDICAL ATTENTION. INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. KEEP AT REST. GET PROMPT MEDICAL ATTENTION.

===== Fire Fi
ghting Measures =====

Flash Point Method:TCC

Flash Point:=-11.7C, 53.F

Autoignition Temp:>350.C, 662.F

Lower Limits:2.0

Upper Limits:12.7

Extinguishing Media:EITHER ALLOW FIRE TO BURN UNDER CONTROLLED CONDITIONS OR EXTINGUISH WITH ALCOHOL TYPE FOAM AND DRY CHEMICAL. TRY TO COVER LIQUID SPILLS WITH FOAM.

Fire Fighting Procedures:USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. SHUT OFF "FUEL" TO FIRE. IF A LEAK OR SPILL HAS NOT IGNITED, U

SE WATER SPRAY TO DISPERSE THE VAPORS.

Unusual Fire/Explosion Hazard:FLAMMABLE LIQUID, CAN RELEASE VAPORS THAT FORM FLAMMABLE MIXTURES AT TEMPERATURES AT OR ABOVE FLASH POINT.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. PREVENT ADDITIONAL DISCHARGE OF MATERIAL, IF POSSIBLE TO DO SO WITHOUT HAZARD. CONTAIN SPILL. IF IN PUBLIC AREA, KEEP PUBLIC AWAY AND ADVISE AUTHORITIES. PREVENT LIQUID FROM ENTERING SEWERS, WATERCOURSES, OR LOW AREAS. CONTAIN SPILLED LIQUID WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST. RECOVER BY PUMPING OR WITH A SUITABLE ABSORBENT.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED. HANDLE AND OPEN CONTAINERS WITH CARE. STORE IN A COOL, WELL VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS. DO NOT HANDLE OR STORE NEAR AN OPEN FLAME, HEAT, OR OTHER SOURCES OF IGNITION. PROTECT MATERIAL FROM DIRECT SUNLIGHT.

Other Precautions:THIS MATERIAL IS NOT A STATIC ACCUMULATOR, BUT USE PROPER GROUNDING PROCEDURES. DO NOT PRESSURIZE, CUT, HEAT, OR WELD CONTAINERS. EMPTY PRODUCT CONTAINERS MAY CONTAIN PRODUCT RESIDUE. DO NOT REUSE EMPTY CONTAINERS WITHOUT COMMERCIAL CLEANING OR RECONDITIONING.

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

Respiratory Protection

:NIOSH/MSHA APPROVED RESPIRATORS MAY BE NECESSARY TO PREVENT OVEREXPOSURE BY INHALATION.

Ventilation:USE OF MECHANICAL DILUTION VENTILATION IS RECOMMENDED FOR CONFINED SPACES, OR PRODUCT HEATED OR AGITATED. USE EXPLOSION-PROOF MECHANICAL VENTILATION EQUIPMENT.

Protective Gloves:WHERE CONTACT IS LIKELY, WEAR CHEMICAL RESISTANT GLOVES.

Eye Protection:WHERE CONTACT MAY OCCUR, WEAR SAFETY GLASSES WITH SIDE SHIELDS/CHEMICAL GOGGLES

Other Protective Equipment:FOR OPEN SYSTEMS WHERE

CONTACT IS LIKELY,
WEAR LONG SLEEVES.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:180F TO 181F

Melt/Freeze Pt:=-88.7C, -128.F

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:3

6 @ 212F

Vapor Density:>1

Spec Gravity:0.79 @ 68F

pH:NOT RELEVANT

Viscosity:2.2 CST@ 68F

Evaporation Rate & Reference:2.3 (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR COLORLESS LIQUID

Percent Volatiles by Volume:100

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

CAUSTICS, AMINES, ALKANOLAMINES, ALDEHYDES, STRONG OXIDIZING AGENTS,
AND CHLORINATED COMPOUNDS.

Stability

Condition to Avoid:MODERATE RISK OF PEROXIDE FORMATION.

MODERATE PEROXIDE HAZARD ON STORAGE AND CONCENTRATION. INHIBITOR
NOT BEEN ADDED TO MITIGATE PEROXIDE HAZARD.

Hazardous Decomposition Products:NONE.

===== Toxicological Information =====

Toxicological Information:EYE: IRRITATING AND WILL INJURE EYE TISSUE IF
NOT REMOVED PROMPTLY. SKIN: FREQUENT OR PROLONGED CONTACT MAY
IRRITATE AND CAUSE DERMATITIS. INHALATION: VAPOR CONCENTRATIONS
ABOV

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Ecological Information
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Ecological:NO SPECIFIC ECOLOGICAL DATA AVAILABLE

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Disposal Considerations
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Waste Disposal Methods:CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS.

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MSDS Transport Information
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Transport Information:DEPARTMENT OF TRANSPORTATION (DOT): DOT SHIPPING DESCRIPTION: ISOPROPANOL, CLASS 3, UN 1219, PG II.

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Regulatory Information
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SARA Title III Information:UNDER SECTIONS 311/312 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT, THIS PRODUCT IS CLASSIFIED INTO THE FOLLOWING HAZARD CATEGORIES: IMMEDIATE HEALTH, DELAYED HEALTH, FIRE. THIS INFORMATION MAY BE SUBJECT TO THE PROVISIONS OF THE COMMUNITY RIGHT-TO-KNOW REPORTING REQUIREMENTS (40 CFR 370) IF THRESHOLD QUANTITY CRITERIA ARE MET.

Federal Regulatory Information:THIS PRODUCT IS LISTED ON THE TSCA INVENTORY AT CAS REGISTRY NUMBER 67-63-0. IF THIS PRODUCT IS

ACCIDENTALLY SPILLED, IT IS NOT SUBJECT TO ANY SPECIAL REPORTING UNDER THE REQUIREMENTS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA). MANUFACTURER RECOMMENDS CONTACTING LOCAL AUTHORITIES TO DETERMINE IF THERE MAY BE OTHER LOCAL REPORTING REQUIREMENTS.

State Regulatory Information:NOT PROVIDED

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Other Information
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Disclaimer (provi

ded with this information by the compiling agencies):

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