

EXXON CHEMICAL COMPANY, DIVISION EXXON CORP -- IPA-ANHYDROUS -- 6810-00-855-6160
===== Product Identification =====

Product ID:IPA-ANHYDROUS

MSDS Date:12/11/1997

FSC:6810

NIIN:00-855-6160

Status Code:A

MSDS Number: CKRNK

=== Responsible Party ===

Company Name:EXXON CHEMICAL COMPANY, DIVISION EXXON CORP

Box:3272

City:HOUSTON

State:TX

ZIP:77253-3272

Country:US

Info Phone Num:281-870-6000\281-870-68

84

Emergency Phone Num:800-726-2015

Preparer's Name:NOT PROVIDED

Chemtec Ind/Phone:(800)424-9300

CAGE:TO317

=== 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-SF75

CAGE:4N760

Company Name:EXXON CHEMICAL COMPANY, DIVISION EXXON CORP

Address:Box:3272

City:HOUSTON

State:TX

ZIP:77253-3272

Country:US

Phone:800-726-2015/281-870-6000;-6884

CAGE:TO

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 ===== Composition/Information on Ingredients =====
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Ingred Name:ISOPROPYL ALCOHOL

CAS:67-63-0

RTECS #:NT8050000

= Wt:100.

Other REC Limits:NOT PROVIDED

OSHA PEL:980 MG/M3;400 PPM

ACGIH TLV:983 MG/M3;400 PPM

ACGIH STEL:1230 MG/M3;500 PPM

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 ===== Hazards Identification =====
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LD50 LC50 Mixture:NOT PROVIDED

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

Health Hazards Acute and Chronic:POTENTIAL HEALTH EFFECTS: EYE CONTACT:
 IRRITATION

G, AND MAY INJURE EYE TISSUE IF NOT REMOVED PROMPTLY. SKIN
 CONTACT: FREQUENT OR PROLONGED CONTACT MAY IRRITATE AND CAUSE
 DERMATITIS. LOW ORDER OF TOXICITY. INHALATION: VAPOR
 CONCENTRATIONS ABOVE EXPOSURE LEVELS ARE IRRITATING TO THE EYES AND
 RESPIRATORY TRACT, MAY CAUSE HEADACHES AND DIZZINESS, ARE
 ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS.
 NEGLIGIBLE HAZARD AT AMBIENT TEMPERATURE. INGESTION: MINIMAL
 TOXICITY. SMALL AMOUNTS OF THE LIQUID ASPIRATED

INTO THE

RESPIRATORY SYSTEM DURING INGESTION, OR FROM VOMITING, MAY CAUSE
 BRONCHIOPNEUMONIA OR PULMONARY EDEMA.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYE CONTACT: IRRITATING. SKIN CONTACT: FREQUENT
 OR PROLONGED CONTACT MAY IRRITATE AND CAUSE DERMATITIS. INHALATION:
 VAPOR CONCENTRATIONS ABOVE EXPOSURE LEVELS ARE IRRITATING TO THE
 EYES AND RESPIRATORY TRACT, MAY CAUSE HEADACHES AND DIZZINESS, ARE
 ANESTHETIC.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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 ===== First Aid Measures =====
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First Aid:EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNT OF
 WATER FOR AT LEAST 15 MINUTES. GET PROMPT MEDICAL ATTENTION. SKIN
 CONTACT: IMMEDIATELY FLUSH WITH LARGE AMOUNT OF WATER; USE SOAP IF
 AVAILABLE. REMOVE CONTAMINATED CLOTHING, INCLUDING SHOES, AFTER
 FLUSHING HAS BEGUN. INHALATION: USING PROPER RESPIRATORY
 PROTECTION, IMMEDIATELY REMOVE THE AFFECTED VICTIM FROM EXPOSURE.
 ADMINISTER

R 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 Fighting 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 OUT UNDER CONTROLLED CONDITIONS OR EXTINGUISH WITH FOAM, OR 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, USE WATER SPRAY TO DISPERSE THE VAPORS.

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

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

Spill Release Procedures:EL

IMINATE IGNITION SOURCES. PREVENT ADDITIONAL DISCHARGES, IF POSSIBLE. SMALL SPILLS: IMPLEMENT CLEANUP PROCEDURES; LARGE SPILLS: IMPLEMENT CLEANUP PROCEDURES AND KEEP PUBLIC AWAY AND ADVISE AUTHORITI ES. PREVENT LIQUID FROM ENTERING SEWERS, WATERCOURSES, LOW AREAS. CONTAIN WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE MATERIAL SUCH AS SAWDUST. RECOVER WITH EXPLOSION-PROOF PUMP OR 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 O F IGNITION. PROTECT MATERIAL FROM DIRECT SUNLIGHT.

Other Precautions:THIS MATERIAL IS NOT A STATIC ACCUMULATOR, BUT USE PROPER BONDING AND/OR GROUNDING PROCEUDRES. DO NOT PRESSURIZE, CUT, HEAT, OR WELD CONTAINERS. EMP

TY PRODUCT CONTAINERS MAY RETAIN
PRODUCT RESIDUE. DO NOT REUSE EMPTY CONTAINERS WITHOUT COMMERCIAL
CLEANING OR RECONDITIONING.

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

Respiratory Protection:WHERE CONCENTRATIONS IN AIR MAY EXCEED THE
LIMITS GIVEN AND ENGINEERING, WORK PRACTICE OR OTHER MEANS OF
EXPOSURE REDUCTION ARE NOT ADAQUATE, NIOSH/MSHA APPROVED
RESPIRATORS MAY BE NECESSARY TO PREVEN T OVEREXPOSURE BY
INHALATION.

Ventilation:THE USE OF M
ECHANICAL DILUTION VENTILATION IS RECOMMENDED
WHENEVER PRODUCT IS USED IN CONFINED SPACES, IS HEATED/AGITATED.
EXPLOSION-PROOF VENTILATION EQUIPMENT

Protective Gloves:CHEMICAL RESISTANT GLOVES

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

Other Protective Equipment:WEAR LONG SLEEVES.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

CSD P/N: ISOPROPYL ALCOHOL. "EMPTY" CONTAINERS RETAIN PRODUCT RESIDUE
(LIQUID AND/

OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT,
WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO
HEAT, FLAME, SPARKS OR OTHER IGNITION SOURCES: THEY MAY EXPLODE AND
CAUSE INJURY OR DEATH.

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

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

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

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:36 @ 212F

Vapor Density:>1

Spec Gravity:0.79

pH:NOT PROVIDE

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Viscosity:2.2 CST @ 68F

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

Solubility in Water:100% @ 68F

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, AMMONIA, STRONG OXIDIZING
AGENTS, AND CHLORINATED COMPOUNDS.

Stability Condition to Avoid:MODERATE RISK OF PEROXIDE FORMAT

ION.

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

Hazardous Decomposition Products:NONE

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

Toxicological Information:POTENTIAL HEALTH EFFECTS: EYE CONTACT: IRRITATING, AND MAY INJURE EYE TISSUE IF NOT REMOVED PROMPTLY. SKIN CONTACT: FREQUENT OR PROLONGED CONTACT MAY IRRITATE AND CAUSE DERMATITIS. LOW ORDER OF TOXICITY. INHALATION: VAPOR CONCEN

TRATIONS ABOVE EXPOSURE LEVELS ARE IRRITATING TO THE EYES AND RESPIRATORY TRACT, MAY CAUSE HEADACHES AND DIZZINESS, ARE ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS. NEGLIGIBLE HAZARD AT AMBIENT TEMPERATURE. INGESTION: MINIMAL TOXICITY. SMALL AMOUNTS OF THE LIQUID ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION, OR FROM VOMITING, MAY CAUSE BRONCHI OPNEUMONIA OR PULMONARY EDEMA.

===== Ecological Information =====

Ecological:NO SPECIFIC ECOLOGICAL DATA ARE AVAILABLE FOR THIS PRODUCT.

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

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

===== MSDS Transport Information =====

Transport Information:DEPARTMENT OF TRANSPORTATION (DOT): DOT SHIPPING DESCRIPTION: ISOPROPANOL, 3, UN 1219, I I.

===== Regulatory Information =====

SARA Title III Information:UNDER THE PROVISIONS OF TITLE III, 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 LISTE

D ON THE TSCA

INVENTORY AT CAS REGISTRY NUMBER 67-63-0. CERCLA: IF THIS PRODUCT IS ACCIDENTALLY SPILLED, IT IS NOT SUBJECT TO ANY SPECIAL REPORTING UNDER THE REQUIREMENT OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA). WE RECOMMEND YOU CONTACT LOCAL AUTHORITIES TO DETERMINE IF THERE MAY BE OTHER LOCAL REPORTING REQUIREMENTS.

State Regulatory Information:NOT PROVIDED

===== Other Information =====

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