

EXXON CHEMICAL COMPANY, DIVISION EXXON CORP -- IPA - ANHYDROUS -- 6810-01-220-9907
===== Product Identification =====

Product ID:IPA - ANHYDROUS

MSDS Date:02/02/1996

FSC:6810

NIIN:01-220-9907

Status Code:A

MSDS Number: CJYDT

=== 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\281-87

0-6884

Emergency Phone Num:800-726-2015

Resp. Party Other MSDS Num.:90275000

Chemtrec 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:SP0450-99-M-NK43

CAGE:4N760

Company Name:EXXON CHEMICAL COMPANY, DIVISION EXXON CORP

Address:Box:3272

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6884
CAGE:TO317

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Composition/Information on Ingredients
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Ingred Name:ISOPROPYL ALCOHOL (SARA 313)
CAS:67-63-0
RTECS #:NT8050000
= Wt:100.
Code:F
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9596

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Hazards Identification
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LD50 LC50 Mixture:NOT SPECIFIED
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chroni
c:EYES:IRRITATION, WILL INJURE TISSUE IF
NOT REMOVED PROMPTLY. SKIN: FREQUENT AND PROLONGED CONTACT MAY
IRRITATE AND CAUSE DERMATITIS. INHALATION: VAPOR CONCENTRATIONS
ABOVE RECOMMENDED EXPOSURE LEVELS ARE IRRITATING TO THE
RESPIRATORY TRACT, MAY CAUSE HEADACHES AND DIZZINESS, ARE
ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS.
NEGLECTIBLE HAZARD AT AMBIENT TEMPERATURE (-18 TO 38 DEG C; 0 TO
100 DEG F) . INGESTION: SMALL AMOUNTS ASPIRATED INTO THE
R
ESPIRATORY SYSTEM DURING INGESTION OR FROM VOMITING, MAY CAUSE
BRONCHIOPNEUMONIA OR PULMONARY EDEMA.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:EYE IRRITATION, HEADACHE, DIZZINESS, NAUSEA,
VOMITING, TEARING, DEFATTING OF SKIN, DERMATITIS, BRONCHIOPNEUMONIA
OR PULMONARY EDEMA, CENTRAL NERVOUS SYSTEM EFFECTS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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First Aid:CALL PHYSICIAN

IF SYMPTOMS PERSIST. EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. GET PROMPT MEDICAL ATTENTION. SKIN: FLUSH WITH LARGE AMOUNTS OF WATER. USE SOAP IF AVAILABLE. REMOVE CONTAMINATED CLOTHING AND SHOES AFTER FLUSHING HAS BEGUN. INHALED: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF BREATHING IS STOPPED. KEEP AT REST. INGESTION: DO NOT INDUCE VOMITING. KEEP AT REST. GET PROMPT MEDICAL ATTENTION.

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===== Fire Fighting Measures =====
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Flash Point Method:TCC
Flash Point:=-12.2C, 54.F
Autoignition Temp:>350.C, 662.F
Lower Limits:2.0
Upper Limits:12.7
Extinguishing Media:USE WATER FOG, "ALCOHOL" TYPE FOAM, OR DRY CHEMICAL. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
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. EITHER ALLOW FIRE TO BURN UNDER CONTROLLED CONDITIONS OR EXTINGUISH WITH ALCOHOL TYPE FOAM AND DRY CHEMICAL. TRY TO COVER LIQUID SPILLS WITH FOAM.
Unusual Fire/Explosion Hazard:FLAMMABLE LIQUID, CAN RELEASE VAPORS THAT FORM FLAMMABLE MIXTURES AT TEMPERATURES AT OR ABOVE THE FLASHPOINT. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID AND/ OR VAPOR) AND CAN BE DANGEROUS.

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===== Accidental Release Measures =====
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Spill Release Procedures:ELIMINATE SOURCE OF IGNITION. PREVENT ADDITIONAL DISCHARGE OF MATERIAL, IF POSSIBLE TO DO SO WITHOUT HAZARD. SMALL SPILLS: IMPLEMENT CLEANUP PROCEDURES. LARGE SPILLS: KEEP PUBLIC AWAY AND ADVISE AUTHORITIES. PREVENT FROM ENTERING SEWERS, WATERCOURSES, OR LOW AREAS. CONTAIN WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST. RECOVER BY PUMPING(USE EXPLOSION PROOF OR HAND PUMP).

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===== Handling and Storage =====
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Handling and Storage Precautions:KEEP CONTAINER CLOSED. HANDLE &

OPEN

CONTAINER WITH CARE. STORE IN COOL, WELL VENTILATED PLACE AWAY FROM INCOMPATIBLE MATLS. DO NOT HANDLE OR STORE NEAR OPEN FLAME, HEAT, SOURCES OF IGNITION. PROTECT FROM DIRECT SUNLIGHT. USE PROPER GROUNDING PROCEDURES. DO NOT PRESSURIZE, CUT, HEAT, WELD CONTAINER

Other Precautions:EMPTY CONTAINERS MAY CONTAIN RESIDUE. FOR WATER SPILL: ELIMINATE SOURCES OF IGNITION. WARN OCCUPANTS AND SHIPPING IN SURROUNDING AND DOWNWIND AREAS OF FIRE AND EXPLOSION HAZARD, AND REQ
NEAREST ALL TO STAY CLEAR.

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

Respiratory Protection:IF TLV IS EXCEEDED OR IF WORK PRACTICES OR OTHER MEANS OF EXPOSURE REDUCTION ARE NOT ADEQUATE, NIOSH/MSHA APPROVED RESPIRATORS MAY BE NECESSARY TO PREVENT OVEREXPOSURE BY INHALATION.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:CHEMICAL RESISTANT

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS, CHEMICAL GOGGLES

Other Protective Equipment:LONG SLEEVE CLOTHING

Work Hygienic Practices:WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:F2

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

Melt/Freeze Pt:=-88.9C, -128.F

Vapor Pres:96 @ 100 F

Vapor Density:>1

Spec Gravity:0.79 AT 68 F

Viscosity:2.7 CST @ 68 F

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

Solubility in Water:100% AT 68 F

Appearance and Odor:CLEAR, COLORLESS LIQUID.

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

Stability Indicator/Materials to Avoid:YES

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

Stability Condition to Avoid:HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:NONE

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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Toxicological Information:IN DEVELOPMENTAL TOXICITY STUDIES CONDUCTED BY THE CMA, UNEXPECTED ACUTE TOXICITY WAS FOUND WHEN ISOPROPANOL WAS ADMINISTERED TO PREGNANT RABBITS BY GAVAGE. THERE WERE NO UNEXPECTED TOXIC EFFECTS IN P REGNANT RATS EXPOSED IN THE SAME STUDY. IN RATS THERE WERE SOME RELATIVELY MILD DEVELOPMENTAL EFFECTS AT MATERNALLY TOXIC LEVELS. THERE WAS NO EVIDENCE OF DEVELOPMENTAL TOXICITY IN THE RATS AT LEVELS WHICH DID NOT ALSO PRODUCE MATERNAL TOXICITY. THERE WERE NO INDICATIONS OF DEVELOPMENTAL TOXICITY IN THE RABBITS AT ANY EXPOSURE LEVEL.

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

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

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. CONTACT LOCAL AUTHORITIES TO DETERMINE IF THERE MAY BE ANY LOCAL REPORTING REQUIREMENTS. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.

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

Transport Information:DOT SHIPPING DESCRIPTION: ISOPROPANOL, 3, UN 1219, II.

===== 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 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). WE RECOMMEND YOU CONTACT LOCAL AUTHORITIES TO DETERMINE IF THERE MAY BE OTHER LOCAL REPORTING REQUIREMENTS.

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

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