

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: CLRZL

=== 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

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Emergency Phone Num:800-726-2015

Resp. Party Other MSDS Num.:MSDS NUMBER: 90275000

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:SP0411-02-M-E614

CAGE:4N760

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:7730

5
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:TO317

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Composition/Information on Ingredients
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Ingred Name:THIS PRODUCT IS HAZARDOUS AS DEFINED IN29 CFR1910.1200.

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Hazards Identification
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Health Hazards Acute and Chronic:POTENTIAL HEA

LTH 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 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.

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.

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First Aid Me
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asures =====

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 ARTIFICIAL RESPIRATION IF BREATHING IS STOP

PED. 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:ELIMINATE 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.

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

Handling and Storage Precautions:KEEP CONTAINER CLOSE

D. 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 BONDING AND/OR GROUNDING PROCEDURES. DO NOT PRESSURIZE, CUT, HEAT, OR WELD CONTAINERS. EMPTY 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 ADEQUATE, NIOSH/MSHA APPROVED RESPIRATORS MAY BE NECESSARY TO PREVENT OVEREXPOSURE BY INHALATION.

Ventilation: THE USE OF MECHANICAL 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.

Supplemental Safety and Health

"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

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

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

Vapor Pres: 36 @ 212F

Vapor Density: >1

Spec Gravity: 0.79

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

===== Stability and Reactiv

ity 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 FORMATION.

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

Hazardous Decomposition Products: NONE

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

Toxicological Information: POT

ENTIAL 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

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.

===== 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 HEAL TH, 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. CERCLA: IF THIS PRODUCT
IS ACCIDENTALLY SPILLED, IT IS NOT SUBJECT TO ANY SPECIAL REPORTING
UNDER THE REQUIREMENT OF THE CO MPREHENSIVE 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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assume responsibility for the suitability of this information to their
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