

EXXON CHEMICAL AMERICAS -- IPA-ANHYDROUS -- 6810-00-286-5435

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

Product ID:IPA-ANHYDROUS

MSDS Date:12/11/1997

FSC:6810

NIIN:00-286-5435

MSDS Number: BHBYM

=== Responsible Party ===

Company Name:EXXON CHEMICAL AMERICAS

Box:3272

City:HOUSTON

State:TX

ZIP:77253-3272

Country:US

Info Phone Num:713-870-6000/6884 (HEALTH & SAFETY)

Emergency Phone Num:800-726-2015

Resp. Pa

rtly Other MSDS Num.:90275000

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

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

Contract Num:SP0450-00-M-D505

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 313)

CAS:67-63-0

RTECS #:NT8050000

= Wt:100.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM/500STEL;9596

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

LD50 LC50 Mixture:DLA-

HMIS: ORAL LD50 (RAT) = 5840 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE: EYE: IRRITATING AND WILL

INJURE EYE TISSUE IF NOT REMOVED PROMPTLY. SKIN:FREQUENT OR  
PROLONGED CONTACT MAY IRRITATE AND CAUSE DERMATITIS. LOW ORDER OF  
TOXICITY. INGESTION:MINIMAL TOXICITY. SM ALL AMOUNTS OF THE LIQUID  
ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION OR FROM  
VOMITING, MA

Y CAUSE BRONCHIOPNEUMONIA OR PULMONARY EDEMA.

INHALATION: VAPOR CONCENTRATION ABOVE RECOMMENDED EXP OSURE LEVELS  
ARE IRRITATING TO EYES & RESPIRATORY TRACT & MAY HAVE CENTRAL  
NERVOUS SYSTEM EFFECTS.

Explanation of Carcinogenicity:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Effects of Overexposure:OVEREXPOSURE MAY LEAD TO DIZZINESS, HEADACHES,  
DERMATITIS AND EYE IRRITATION. HIGH VAPOR CONCENTRATIONS ARE  
ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS.

Medical Cond Aggr

avated by Exposure:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

First Aid:EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET PROMPT MEDICAL ATTENTION. SKIN: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER; USE SOAP IF AVAILABLE. REMOVE CONTAMINATED CLOTHING, INCLUDING SHOES, AFTER FLUSHING HAS BEGUN. INHALATION: USING PROPER RESPIRATORY PROTECTION, IMMEDIATELY REMOVE VICTIM FROM EXPOSURE. ADMINISTER ARTIFICIAL RESPIRATION IF BREATHING 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:USE WATER FOG, CARBON DIOXIDE, "ALCOHOL" FOAM, OR DRY CHEMICAL. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.  
Fire Fighting Procedures:DO NOT ENTER ANY ENCLOSED OR CONFINED AREA WITHOUT PROPER PROTECTIVE EQUIPMENT AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. USE WATER SPRAY TO DISPERSE 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.  
NO UNUSUAL DECOMPOSITION PRODUCTS UNDER FIRE.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. STOP LEAK/SPILL, IF NO RISK. IF SMALL SPILL, IMPLEMENT SPILL PROCEDURES. IF LARGE SPILL, IMPLEMENT SPILL PROCEDURES PLUS , IF IN PUBLIC AREA, KEEP PUBLIC AWAY & ADVISE AUTHORITIES. IF SUBJECT TO CERCLA REPORTING, NOTIFY NATIONAL RESPONSE CENTER. PREVENT LIQU

ID FROM

ENTERING SEWERS, WATERCOURSES OR LOW AREAS. CONTAIN SPILLED LIQUID WITH SAND OR EARTH.

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

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

STATIC ACCUMULATOR, BUT USE PROPER GROUNDING/BONDING PROCEDURES.

Other Precautions: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.

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

Respiratory Protection:WHERE CONCENTRATIONS IN AIR MAY EXCEED THE LIMITS AND ENGINEERING, WORK PRACTICE OR OTHER MEANS OF EXPOSURE REDUCTION ARE

NOT ADEQUATE, NIOSH/MSHA APPROVED RESPIRATORS MAY BE NECESSARY TO PREVENT OVER EXPOSURE TO INHALATION.

Ventilation:USE OF EXPLOSION-PROOF MECHANICAL DILUTION VENTILATION IS RECOMMENDED WHENEVER PRODUCT IS USED IN A CONFINED SPACE, HEATED ABOVE AMBIENT TEMPERATURE OR AGITATED.

Protective Gloves:CHEMICAL RESISTANT: NEOPRENE, NITRILE.

Eye Protection:USE CHEMICAL SAFETY GOGGLES & FACESHIELD.

Other Protective Equipment:FOR OPEN SYSTEMS WHERE CONTACT LIKELY: LONG SLEEVES. DLAHMIS: EYE

WASH STATION AND EMERGENCY DELUGE SHOWER.

Work Hygienic Practices:DLA-HMIS: WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

HCC:F2

Boiling Pt:=82.2C, 180.F

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

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:36 @ 212F

Vapor Density:>1(AIR = 1

Spec Gravity:0.79

Viscosity:2.2 C

ST @ 68F

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

Solubility in Water:COMPLETE (100%)

Appearance and Odor:CLEAR, COLORLESS LIQUID - MILD ODOR

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

Stability Indicator/Materials to Avoid:YES

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

Stability Condition to Avoid:MODERATE RISK OF PEROXIDE FORMATION.

MODERATE PEROXIDE HAZARD ON STORAGE. AND CONCENTRATION. INHIBIT OR

HAS NOT BEEN ADDED TO MITIGATE PEROXIDE HAZARD.

Hazardous Decomposition Products:NONE.

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

Toxicological Information:SEE ACUTE/CHRONIC HEALTH.

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

Ecological:NO SPECIFIC ECOLOGICAL DATA ARE AVAILABLE FOR THIS PRODUCT. PLEASE REFER TO SECTION ON SPILLS FOR INFORMATION REGARDING RELEASES AND SARA/FEDERAL REGULATION RECTIONS FOR REGULATORY REPORTING INFORMATION.

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

Waste Disposal Methods:NO DATA PROVIDED BY RESPONSIBLE PARTY. DLA-HMIS: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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

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

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

SARA Title III Information:UNDER TITLE III, SECTIONS 311/312 OF THE SPERFUND 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 Inform

ation: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:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

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