

EXXON CHEMICAL COMPANY, DIVISION EXXON CORP -- IPA-ANHYDROUS -- 6810-00-753-4993

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

Product ID:IPA-ANHYDROUS

MSDS Date:12/11/1997

FSC:6810

NIIN:00-753-4993

Status Code:A

MSDS Number: CLBVC

=== 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

Chemtrec Ind/Phone:(800)424-9300

CAGE:TO317

=== Contractor Identification ===

Company Name:EXXON CHEMICAL COMPANY, DIVISION EXXON CORP

Box:3272

City:HOUSTON

State:TX

ZIP:77253-3272

Country:US

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

CAGE:TO317

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

Ingred Name:2-PROPANOL

CAS:67-63-0

RTECS #:NT8050000

= Wt:100.

Other REC Limits:NOT PROVIDED

OSHA PEL:980 MG/M3;400 PPM

OSH

A STEL:500 PPM  
ACGIH TLV:983 MG/M3;400 PPM  
ACGIH STEL:1230 MG/M3;500 PPM

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

LD50 LC50 Mixture:NOT PROVIDED  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic: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

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  
BRONCHOPNEUMONIA OR PULMONARY EDEMA.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYE C

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 Condition Aggravated by Exposure:NOT PROVIDED

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

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 STOPPED. KEEP AT  
REST. CALL FOR PROMPT MEDICAL ATTENTION. INGESTION: IF SWALLOWED,  
DO NOT INDUCE VOMITING. KEEP AT REST. GET PROMPT MEDICAL

AL 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 AUTHORITIES. 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 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: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 MECHANICAL DILUTION VENTILATION IS RECOMMENDED WHENEVER PRODUCT IS USED IN CONFINED SPACES, IS HEATED/AGITATED. EXPLOSION-PROOF 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: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 PROVIDED

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 Reac

tivity 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:

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

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 HAZARD

LTH, 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 LIABIL

ITY 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 =====

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this informa  
tion to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.