

EXXON CHEMICAL CO DIV OF EXXON CHEMICAL AMERICAS -- 2-PROPANOL/WATER MIXTURE --
6810-00-286-5435

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

Product ID:2-PROPANOL/WATER MIXTURE

MSDS Date:05/09/1991

FSC:6810

NIIN:00-286-5435

MSDS Number: BTKQP

=== Responsible Party ===

Company Name:EXXON CHEMICAL CO DIV OF EXXON CHEMICAL AMERICAS

Box:3272

City:HOUSTON

State:TX

ZIP:77001

Country:US

Info Phone Num:713-870-60

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Emergency Phone Num:713-870-6000

CAGE:4H542

=== 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

CAGE:4N760

Company Name:EXXON CHEMICAL CO USA SALES OFFICE

Address:1333 W LOOP S

Box:3272

City:HOUSTON

State:TX

ZIP:77253

Country:US

Phone:281-870-6000/6884

CAGE:4H542

Company Name:EXXONMOBIL CHEMICAL CO, DIV OF EXXON MOBILCORP.

Address:13501 KATY FWY

Box:3272

City:HOUS

TON
State:TX
ZIP:77253-3272
Country:US
Phone:281-870-6000 / 800-726-2015
CAGE:72190

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Composition/Information on Ingredients
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Ingred Name:ISOPROPYL ALCOHOL (SARA III)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 70%
Other REC Limits:NONE SPECIFIED
OSHA PEL:400 PPM/500 STEL
ACGIH TLV:400 PPM/500STEL;9192

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 30%
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:TLV: 400 PPM ISOPROPYL ALCOHOL
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE-IRRITATING, & WILL INJURE EYE
TISSUE IF NOT REMOVED. SKIN-FREQUENT OR PROLONGED CONTACT MAY
IRRITATE & CAUSE DERMATITIS. INHALATION-HIGH VAPOR CONCENTRATIONS
ARE IRRITATING TO THE EYES & THE RESPI RATORY TRACT.
INGESTION-MINIMAL TOXICITY.
Explanation of Carcinogenicity:THIS CH
EMICAL IS NOT LISTED AS HAVING
ANY EVIDENCE OF BEING CARCINOGENIC.
Effects of Overexposure:INHALATION-MAY CAUSE HEADACHE AND DIZZINESS,
ARE ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS.
INGESTION-SMALL AMOUNTS OF THE LIQUID ASPIRATED INTO THE
RESPIRATORY SYSTEM DURING INGEST ION, OR FROM VOMITING, MAY CAUSE
BRONCHIOPNEUMONIA OR PULMONARY EDEMA.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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First Aid:EYE-FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MIN. GET PROMPT MEDICAL ATTENTION. SKIN-FLUSH WITH LARGE AMOUNTS OF WATER; USE SOAP IF AVAILABLE. REMOVE SOILED CLOTHING. INHALATION-USING RESPIRATORY PROTECTION, IMMEDIATELY REMOVE VICTIM FROM EXPOSURE. ADMINISTER CPR IF BREATHING HAS STOPPED. CALL FOR PROMPT MEDICAL ATTENTION. INGESTION- DO NOT INDUCE VOMITING. KEEP AT REST. SEE PHYSICIAN.

===== Fire Fighting Measure

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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 SPRAY TO COOL FIRE EXPOSED SURFACES & TO PROTECT PERSONNEL. SHUT OFF "FUEL" TO FIRE.

Fire Fighting Procedures:IF LEAK/SPILL HASN'T IGNITED, USE WATER SPRAY TO DISPERSE VAPORS. ALLOW FIRE TO BURN UNDER CONTROLLED CONDITIONS OR EXTINGUISH WITH ALCOHOL TYPE FOAM/DRY CHEM.

Unusual Fire/Explosion Hazard:FLAMMABLE LIQUID, CAN RELEASE VAPORS THAT FORM FLAMMABLE MIXTURES AT TEMPERATURES AT OR ABOVE THE FLASHPOINT. TRY TO COVER LIQUID SPILLS WITH FOAM.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. PREVENT ADDITIONAL DISCHARGE OF MATERIAL, IF POSSIBLE TO DO WITHOUT HAZARD. FOR SMALL SPILLS IMPLEMENT CLEANUP PROCEDURES. VAPORS/DUST CAN BE HARMFUL/ FATAL. WARN OCCUPANTS OF DOWNWIND AREAS.

Neutralizing Agent:N/ASPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORAGE TEMPERATURE AMBIENT. USE PROPER GROUNDING PROCEDURES.

Other Precautions:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. EXPLOSION HAZARD. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, BUNGED & DISPOSED OF.

===== Exposure Controls/Personal

I Protection =====

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATORS MAY BE NECESSARY TO PREVENT OVEREXPOSURE BY INHALATION.

Ventilation:THE USE OF MECHANICAL DILUTION VENTILATION IS RECOMMENDED. USE EXPLOSION-PROOF VENTILATION EQUIPMENT.

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:WEAR SAFETY GLASSES WITH SIDE SHIELDS

Other Protective Equipment:FOR OPEN SYSTEMS WHERE CONTACT IS LIKELY, WEAR LONG SLEEVES, CHEMICAL RESISTANT GLOVES AND CHEMICAL GOGGLES.

W

ork Hygienic Practices:DO NOT EAT, DRINK, OR SMOKE IN WORK AREA.

Supplemental Safety and Health

WARNING: FLAMMABLE!

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

HCC:F2

Boiling Pt:=82.2C, 180.F

B.P. Text:180-181F

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

Vapor Pres:96 MMHG

Vapor Density:>1.00

Spec Gravity:0.79

Viscosity:3 CST

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

Solubility in Water:100.00% AT 68F

Appearance and Odor:CLEAR COLORLESS LIQUID.

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Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

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

Hazardous Decomposition Products:NONESPECIFIED BY MANUFACTURER.

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

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

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ion by the compiling agencies):

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