

EXXON CHEMICAL AMERICAS -- 2-PROPANOL -- 6505-00-655-8366

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

Product ID:2-PROPANOL

MSDS Date:11/19/1993

FSC:6505

NIIN:00-655-8366

MSDS Number: CBQKW

=== Responsible Party ===

Company Name:EXXON CHEMICAL AMERICAS

Box:3272

City:HOUSTON

State:TX

ZIP:77001

Country:US

Info Phone Num:713-870-6885

Emergency Phone Num:800-424-9300(CHEMTREC)/800-726-2015

CAGE:72190

=== Cont

actor Identification ===

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

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

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM/500STEL;9596

===== Hazards Identificat

ion =====

LD50 LC50 Mixture:ACUTE TOXICITY DATA AVAILAB UPON REQUEST

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

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

Health Hazards Acute and Chronic:EYE:IRRIT,WILL INJURE EYE TISSUE IF NOT REMOVED PROMPTLY.SKIN:FREQU/PROL CONTACT MAY IRRIT,CAUSE DERM.LOW ORDER OF TOXICITY.INHAL:VAP CONCEN ABOVE RECOMMENDED EXPO LEVELS IRRIT EYE/RESP TRACT,MAY CAUS E HEAD,DIZZ,ANESTHETIC,MAY HAVE OTHER CNS EFFECTS.NEG

LI HAZ @AMB TEMP(-115-38C).INGEST:MIN TOXICITY.SM AMTS (SUPPLEMENT)

Effects of Overexposure:EYE IRRIT, SKIN IRRIT, DERMATITIS. RESPIRATORY IRRIT, HEADACHE, DIZZINESS, ANESTHETIC, MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS. ASPIRATION MAY CAUSE BRONCHIOPNEUMONIA OR PULMONARY EDEMA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE:IMMED FLUSH W/LG AMTS OF WTER FOR @LEAST 15MIN S.GET

PROMPT MED ATTN. SKIN:IMMED FLUSH W/LG AMTS OF WATER.USE SOAP IF AVAILABLE.REMOVE CONTAMIN CLOTH INCLUDING SHOES AFT FLUSH HAS BEGUN. INHAL:W/PR OPER RESP PROTECTION IMMED REMOVE FROM EXPO.BREATH STOP ADMIN ART RESP.KEEP @REST.CALL FOR PROMPT MED ATTN. INGEST:DO NOT INDUCE VOMITL.KEEP @REST.GET PROMPT MED ATTN.

===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:54.0F,12.2C

Autoignition Temp:Autoignition Temp Text:>6 62F

Lower Limits:2.0

Upper Limits:12.7

Extinguishing Media:EITHER ALLOW FIRE TO BURN UNDER CONTROLLED CONDITIONS OR EXTINGUISH W/ALCOHOL TYP FOAM/DRY CHEM.

Fire Fighting Procedures:COOL FIRE-EXPO SURFACES/PROTECTIVE PERSONNEL W/WATERSPRAY.SHUT OFF FUEL TO FIRE.LEAK/SPILL NOT IGN DISPERSE VAP W/WATERSPRAY.ALLOW FIRE TO BURN UNDER(SUPPLEMEN)

Unusual Fire/Explosion Hazard:FLAMM LIQ,CAN RELEASE VAP THAT FORM FLAMM MIXTURES @TEMP @/>FLASHPT.

===== Accidental Release Mea

sures =====

Spill Release Procedures:REMOVE IGN SOURCES.PREVENT ADDN DISCHARGE OF
MATL W/O RISK.IMPLEMENT CLEANUP PROCEDURES.IF IN PUBLIC AREA KEEP
PUBLIC AWAY/ADVISE AUTHORITIES.IF PROD SUBJ TO CERCLA NOTIFY NAT
RESP CNTNR.PREVENT LIQ E NTERING SEWERS/WATERCOURSE/LOW
AREAS.CONTAIN(SUPP)

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

Handling and Storage Precautions:USE PROPER GROUNDING PROCEDURE.
STORAGE TEMP:AMBIENT. STORAGE/TRANSP PRES
SURE:ATMOSPHERIC.

LOAD/UNLOAD TEMP:AMBIENT. VISC @LOAD/UNLOAD TEMP:3CST.

Other Precautions:EMPTY CNTNR RETAIN PROD RESIDUE(LIQ &/OR VAP);CAN BE
DANGEROUS.DO NOT PRESS/CUT/WEDL/BRAZE/SOLDER/DRILL/GRIND/EXPO TO
HEAT/FLAME/SPARK/STATIC ELECTR/IGN SOURCES;MAY EXPLO/CAUSE
INUJURY/DEATH.

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

Respiratory Protection:WHERE CONCEN IN AIR MAY EXCEED LIMITS GIVEN &
ENGINEERING, WORK PRACTICE OR OTHER MEANS OF EXPO REDUCTIO
N ARE NOT

ADEQUATE NIOSH/MSHA APPROVED RESP MAY BE NECESSARY TO PREVENT
OVEREXPO BY INHAL.

Ventilation:MECH DILUTION VENTI RECOMMENDED WHENEVER PROD USED IN
CONFINED SPACE,HEATED ABOVE AMB TEMP,AGITATED.USE EXPLO-PROOF EQPT

Protective Gloves:CHEM RESISTANT GLOVES.

Eye Protection:CHEM GOGGLES,SAF GLASSES W/SIDESHIELDS

Other Protective Equipment:LONG SLEEVES.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIREFIGHTING:CONTROLLED CONDITIONS/EXT W/
ALCOHOL TYP FOAM/DRY CHEM.TRY

TO COVER LIQ SPILLS W/FOAM. HEALTH HAZ:ASPIRATED INTO RESP SYS
DURING INGEST/VOMIT MAY CAUSE BRONCHIOPNEUMONIA OR PULM EDEMA. SPI
LL:W/SAND/EARTH.DON'T USE COMBUST MATL(SAWDUST).RECOVER BY
PUMPING(EXPLO PROOF/HAND PUMP)/SUITABLE ABSORBANT.

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

HCC:F2

Boiling Pt:=82.C, 179.6F

Melt/Freeze Pt:=-88.C, -126.4F

Decomp Temp:Decomp Text:NP

Vapor Pres:90 @100F

Vapor Density:>1.00

Spec Gravity:

0.79
pH:NP
Viscosity:3-58CST @100F
Evaporation Rate & Reference:2.3 (N-BUTYL ACETATE=1)
Solubility in Water:100, COMPLETE
Appearance and Odor:CLEAR COLORLESS LIQUID.
Percent Volatiles by Volume:NP
Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES
CAUSTICS, AMINES, ALKANOLAMINES, ALDEHYDES, STRONG OXIDIZING AGENTS, &
CHLORINATED COMPOUNDS.
Hazardous Decomposition Products:NO UNUSUAL HAZ COMBUST PRODUCTS.

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

Waste Disposal Methods:EMPTY DR SHOULD BE COMPLETELY DRAINED/PROPERLY
BUNGED/PROMPTLY RETURNED TO DR RECONDITIONER/PROPERLY DISPO
OF.CONULT EXPERT ON DIPSO OF RECOVERED SPILLED MATL;ENSURE
CONFORMITY TO LOC DISPO REGS.NO S UBJ TO CERCLA SPEC REPORTING
REQMTS.

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