

FISHER SCIENTIFIC, CHEMICAL DIV. -- A419, 2-PROPANOL -- 6810-00-782-0470

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

Product ID:A419, 2-PROPANOL

MSDS Date:11/11/1991

FSC:6810

NIIN:00-782-0470

MSDS Number: BTVZX

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100 OR 201-796-7523

Emergency Phon

e Num:201-796-7100/800-424-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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

Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67

-63-0
RTECS #:NT8050000
Fraction by Wt: 100%
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9394

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 5045 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:INHALED:12000 PPM IDLH! IRRITATION OF
NOSE & THROAT, NARCOSIS. CHRONIC-POSSIBLE LIVER CHANGES.
SKIN:IRRITATION, POSSIBLE DERMATITIS. M
MAY BE ABSORBED IN TOXIC
QUANTITIES W/PROLONGED/REPEATED SKIN CONTACT. CHRONIC-DEFATTING.
EYE:IRRITATION,CONJUNCTIVITIS, CORNEAL OPACITY.
CHRONIC-CONJUNCTIVITIS. (CONT. SIGNS & SYMP.)
Explanation of Carcinogenicity:IARC REPORTS MANUFACTURE OF ISOPROPYL
ALCOHOLBY STRONG ACID PROCESS AS GROUP 1 (POSITIVE HUMAN); THE
ALCOHOL ITSELF; NO.
Effects of Overexposure:INGESTED:NARCOSIS, ABDOMINAL PAIN, HEMATEMESIS,
NAUSEA, VOMITING & HEMORRHAGE, CNS DEPRESSION W/HEADACHE, DIZZINESS

INCOORDINATION, HYPOTENSION, AREFLEXIA, OLIGUREA, FOLLOWED BY
DIURESIS & COMA. CHRONIC-NO HUMAN EFFECTS AT 2.6-6.4 MG/KG DAILY
FOR 6 WEEKS. ANTIDOTE:NONE SPECIFIC. TREAT SYMPTOMATICALLY &
SUPPORTIVELY.
Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN BY MFR ON
MSDS.

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

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, SEE A DOCTOR. EYE:FLUSH
W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE
CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSE. INHALED:REMOVE TO
FRESH AIR. AID/RESTORE BREATHING AS NEEDED.INGESTED:GIVE O2 IF IN
RESPIRATORY DEPRESSION. GIVE ACTIVATED CHARCOAL. USE GASTRIC LAVAGE
W/PROTECTED AIRWAY. NO EMESIS. MAINTAIN BLOOD PRESSURE. GET DOCTOR.

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

Flash Point Method:CC
Flash Point:53.0F,11.7C
Lower Limits:2
Upper Limits:12.7
Extinguishing Media:DRY CHEM/CO2/H2O SPRAY/ALCOHOL-R

ESISTANT FOAM. FOR

LGR FIRES, USE H2O SPRAY/FOG/ALCOHOL-RESISTANT FOAM. ALCOHOL FOAM.

Fire Fighting Procedures:WEAR POSITIVE PRESSURE FULL FACEPIECE SCBA.

MOVE CONTAINER FROM AREA IF W/O RISK. APPLY COOLING WATER TO SIDES OF CONTAINERS. KEEP AWAY FROM ENDS OF TANKS.

Unusual Fire/Explosion Hazard:WITHDRAW >0.5 MILE IF SAFETY VENTS OR

TANK IS DISCOLORED. EXTINGUISH ONLY IF FLOW CAN BE STOPPED. USE FLOODING AMT H2O. AVOID BREATHING TOXIC VAPOR. STAY UPWIND

===== A

ccidental Release Measures =====

Spill Release Procedures:ELIMINATE IGNITION SOURCES. STOP LEAK IF W/OUT

RISK. USE H2O SPRAY TO REDUCE VAPORS. SMALL SPILL:TAKE UP W/SAND/OTHER ABSORBENT & PLACE IN CONTAINERS FOR DISPOSAL. LARGE SPILL:DIKE AHEAD OF SPILL FOR LATER DISPOSAL. ISOLATE HAZARD AREA.

Neutralizing Agent:NO INFORMATION GIVEN BY MFR ON MSDS.

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

Handling and Storage Precautions:PRESERVE IN TIGHT

CONTAINERS AWAY FROM

HEAT. STORE PER 29CFR1910.106. STORE AWAY FROM INCOMPATIBLES. AVOID CONTACT WITH IGNITION SOURCES.

Other Precautions:GROUND CONTAINERS WHEN TRANSFERRING LIQUID. STORE IN CONTAINERS MEETING BONDING & GROUNDING GUIDELINES OF NFPA 77-1983.

VAPORS ARE EXPLOSIVE & TOXIC. KEEP UNNECESSARY PERSONNEL OUT OF AREA. DO NOT OVE R-HEAT CONTAINERS - EXPLOSION HAZARD!

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

Respiratory Protection:THE SPECIF

IC RESPIRATOR SELECTED SHOULD BE BASED

ON THE LEVELS OF CONTAMINATION IN THE WORKPLACE. FISHER REQUIRES

THAT THEY CARRY JOINT NIOSH & MSHA APPROVAL. THEY VARY FROM A

SIMPLE DUST/MIST RESPIRA TOR TO AN SCBM DEPENDING ON THE EXPOSURE

Ventilation:PROVIDE GENERAL DILUTION VENTILATION TO MEET PELS.

VENTILATION EQUIPMENT MUST BE EXPLOSION-PROOF.

Protective Gloves:APPROPRITATE TO PREVENT CONTACT

Eye Protection:SPLASH PROOF SAFETY GOGGLES

Other Protective Equipment:IMPERVIOUS CLOTHING TO

PREVENT

PROLONGED/REPEATED SKIN CONTACT. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:MFR: ? HMIS:USE STRICT CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY EXPOSURE. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

MSDS RECEIVED FROM NAVY (FOCAL POINT N). CAGE CODE AND NSN IDENTIFIED BY THEM.

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

HCC:F2

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:180F,82C

Melt/Freeze Pt:

M.P/F.P Text:-129F,-89C

Vapor Pres:40 MM

Vapor Density:2.1

Spec Gravity:0.785

Evaporation Rate & Reference:2.88 (BUTYL ACETATE=1)

Solubility in Water:SOLUBLE

Appearance and Odor:TRANSPARENT,COLORLESS,MOBILE LIQUID
W/CHARACTERISTIC MILD ALCOHOLIC ODOR

Percent Volatiles by Volume:100

Corrosion Rate:UNKNOWNN

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

Stability Indicator/Materials to Avoid:YES

ACIDS, OXIDIZERS, ACID ANHYDRIDES, HALOGENS. PRODUCT MAY ATTACK
COAT

ING, PLASTICS AND/OR RUBBERS.

Stability Condition to Avoid:MAY SLOWLY PEROXIDISE ON EXPOSURE TO AIR.

EXPLOSION HAZARD IF DISTILLED OR ALLOWED TO EVAPORATE TO DRYNESS.

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY
INCLUDE TOXIC OXIDES OF CARBON.

Conditions to Avoid Polymerization:HAS NOT BEEN REPORTED TO OCCUR UNDER
NORMAL TEMPERATURES & PRESSURES.

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

Waste Disposal Methods:DISPOSAL MUST BE I/A/W

STANDARDS APPLICABLE TO

GENERATORS OF HAZARDOUS WASTE, 40CFR262. EPA #D001. OBSERVE ALL FEDERAL, STATE & LOCAL REGULATIONS. FOR ASSISTANCE, CONTACT DISTRICT DIRECTOR OF EPA.

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 information to be accurate and disclaims all liability for its u

se. 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.