

FISHER SCIENTIFIC -- A426P-4, 2-PROPANOL -- 6810-01-310-8303

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

Product ID:A426P-4, 2-PROPANOL

MSDS Date:02/27/1997

FSC:6810

NIIN:01-310-8303

MSDS Number: BQKVS

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100;800-424-9300(CH

EMTREC)

CAGE:1B464

=== Contractor Identification ===

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 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:ORAL LD50 (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:ACUTE: INGESTION, INHALATION AND SKIN

ABSORPTION MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. CONTACT MAY CAUSE EYE AND SKIN IRRITATION. INGESTION MAY CAUSE GI TRACT IRRITATION. INHALATION MAY CAUSE RESPIRATORY IRRITATION. CHRONIC: PROLONGED OR REPEATED EXPOSURE

MAY CAUSE DERMATITIS, CONJUNCTIVITIS.

Explanation of Carcinogenicity:IARC HAS ISOPROPYL ALCOHOL AS NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY.

Effects of Overexposure:INHALED/INGESTED/SKIN ABSORPTION: NAUSEA, HEADACHE, STUPOR, VOMITING, DIZZINESS. EYES: REDNESS, TEARING, BURNING SENSATION. SKIN: REDNESS, DISCOMFORT. INHALED: COUGHING, SHORTNESS OF BREATH.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, IMPAIRED LIVER, RENAL AND OR PULMONARY FUNCTION.

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

First Aid:INHALED: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF BREATHING STOPPED; OXYGEN IF BREATHING DIFFICULT. SEE DOCTOR. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHES. WASH WITH SOAP AND WATER. INGESTED: IF CONSCIOUS & ALERT, GIVE 2-4 CUPS OF MILK OR WATER. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL AID IMMEDIATELY.

=====

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

Flash Point:55.0F,12.8C

Autoignition Temp:Autoignition Temp Text:810F

Lower Limits:2.5 %

Upper Limits:12.1 %

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY, ALCOHOL FOAM

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:DANGEROUS FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. VAPORS ARE HEAVIER THAN

AIR AND MAY TRAVEL TO A  
DISTANT IGNITION SOURCE AND FLASH BACK.

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

Spill Release Procedures: ABSORB SPILL WITH INERT MATERIAL (EG DRY SAND OR EARTH) THEN PLACE INTO CHEMICAL WASTE CONTAINER. REMOVE ALL SOURCES OF IGNITION.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: KEEP AWAY FROM HEAT, SPARKS, FLAME.  
KEEP

AWAY FROM SOURCES OF IGNITION. KEEP FROM CONTACT WITH OXIDIZING MATERIALS. STORE IN A COOL, DRY PLACE.

Other Precautions: STORE IN WELL VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED. AVOID INGESTION AND INHALATION. USE SPARK-PROOF TOOLS AND EXPLOSION PROOF EQUIPMENT. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

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

Respiratory Protection: A NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE OR CANISTER MAY BE PERMISSIBLE UNDER CERTAIN CIRCUMSTANCES WHERE AIRBORNE CONCENTRATIONS ARE EXPECTED.

Ventilation: PROVIDE GENERAL DILUTION VENTILATION TO MEET PELS. VENTILATION EQUIPMENT MUST BE EXPLOSION-PROOF.

Protective Gloves: RUBBER

Eye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment: IMPERVIOUS CLOTHING TO PREVENT PROLONGED OR REPEATED SKIN CONTACT. EYE WASH STATION.

Work Hygienic Practices: WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

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

HCC: F2

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

Melt/Freeze Pt: M.P/F.P Text: -130F, -90C

Decomp Temp: Decomp Text: NOT GIVEN

Vapor Pres: 96

Vapor Density: 2.1

Spec Gravity: 0.78

Viscosity: 2.1 CP @ 77F

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

Solubility in Water: COMPLETE

Appearance and Odor: COLORLESS LIQUID, SOL

VENT ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ACIDS, HALOGENS, KETONES, OXIDIZERS, COATINGS, ACID ANHYDRIDES,  
ALUMINUM, HYDROGEN PEROXIDE, OLEUM, OXYGEN

Stability Condition to Avoid:SOURCES OF IGNITION, CONTACT WITH  
INCOMPATIBLE MATERIALS. STANDING FOR LONG PERIODS OF TIME,  
DECOMPOSES TO A PEROXIDE.

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE, ACRID  
SM  
OKE, FUMES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS. EPA HAZWASTE #: D001. 100 POUND CERCLA SECTION  
103 REPORTABLE QUANTITY.

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 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.