

FISHER SCIENTIFIC -- A962P, REAGENT ALCOHOL -- 6810-01-208-0914

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Product Identification
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Product ID:A962P, REAGENT ALCOHOL

MSDS Date:04/03/1989

FSC:6810

NIIN:01-208-0914

MSDS Number: BPQYG

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

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

HEMTREC)

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

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Composition/Information on Ingredients
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Ingred Name:ETHYL ALCOHOL; (ETHANOL). LD50:(ORAL,RAT)7060 MG/KG.

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 90%

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM

Ingred Name:METHYL ALCOHOL; (METHANOL). LD50:(ORAL,RAT)5628 MG/

KG.

(SARA III)

CAS:67-56-1

RTECS #:PC1400000

Fraction by Wt: 5%

OSHA PEL:S,200PPM/250STEL

ACGIH TLV:S,200PPM/250STEL; 93

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPYL ALCOHOL. LD50:(ORAL,RAT)5045 MG/KG. (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 5%

OSHA PEL:400 PPM;500 PPM STEL

ACGIH TLV:400 PPM;500 PPM STEL

Ingred Name:EFTS OF OVEREXP:ING 2:CNTCT MAY CAUSE IRRIT.MAY BE ABSORBED
TO CAUSE SYSTEMIC EFTS. ING 3:MAY CAUSE SLIGHT IRRIT.(ING 5)

RTECS #:99999

99ZZ

Ingred Name:ING 4:EYE:ING 1:VAP MAY CAUSE TEMPORARY IRRIT. DIRECT CNTCT
MAY CAUSE IMMED BURNING/STINGING. TEMPORARY INJ OF (ING 6)

RTECS #:9999999ZZ

Ingred Name:ING 5:CORNEAL EPITHELIUM & HYPEREMIA OF CONJUNCTIVA. ING
2:DIRECT CNTCT MAY CAUSE IRRIT & MOD CORNEAL OPACITY. (ING 7)

RTECS #:9999999ZZ

Ingred Name:ING 6:ING 3:MAY CAUSE IRRIT. INGEST:ING 1:FIRST ACTS AS
STIMULANT PRDCING BOASTFULNESS, VISUAL IMPAIRMENT,INCOORD(ING 8)

RTECS #:9999999ZZ

Ingred Name:ING 7:& SLURRING O

F SPEECH. DEATH MAY OCCUR FROM RESP/CIRC

FAILURE/LATER FROM ASPIR PNEUM. FERTILITY EFTS HAVE (ING 9)

RTECS #:9999999ZZ

Ingred Name:ING 8:BEEN REPORTED IN RABBITS. ING 2:SYMPS MAY BE DELAYED
& INCLUDE COUGH, HDCH, WEAKNESS, FATIGUE, INSOMNIA, (ING 10)

RTECS #:9999999ZZ

Ingred Name:ING 9:LEG CRAMPS, NAUSEA & DIARRHEA. ING 3:MAY CAUSE ABDOM
PAIN, HEMATEMESIS, NAUSEA, VOMIT & HEMORRHAGE. CNS (ING 11)

RTECS #:9999999ZZ

Ingred Name:ING 10:DEPRESS MAY OCCUR. CHRONIC:INHAL:ING 1:FETAL

DEVELOPMENTAL ABNORMS HAVE BEEN REPORTED FROM RPTD INHAL BY (ING 12)

RTECS #:9999999ZZ

Inged Name:ING 11:PREGNANT RATS. ING 2:RPTD/PRLNGD EXPOS MAY CAUSE VISUAL IMPAIRMENT, POSS BLINDNESS & OTHER EFTS AS IN (ING 13)

RTECS #:9999999ZZ

Inged Name:ING 12:ACUTE EXPOS. ING 3:INCR INCIDENCE OF CANCER OF PARANASAL SINUSES & POSS OF LARYNX. SKIN:ING 1:RPTD/PRLNGD(ING 14)

RTECS #:9999999ZZ

Inged Name:ING 13:CNTCT CAN CAUSE DERM/OTHER SYMPS AS IN ACUTE EXPOS. ING 2:CHRONIC ABSORP MA

Y RSLT IN VISUAL IMPAIRMENT & (ING 15)

RTECS #:9999999ZZ

Inged Name:ING 14:OPTIC NEURITIS & OTHER EFTS AS ACUTE EXPOS. ING 3:MAY CAUSE DERM. EYE:ING 2/3:RPTD/PRLNGD CNTCT MAY CAUSE(ING 16)

RTECS #:9999999ZZ

Inged Name:ING 15:CONJUNCT. INGEST:ING 1:CHRONIC INTOX MAY RSLT IN WT LOSS, DEGENERATIVE CHGS IN LIVER, KIDNEY & BRAIN, (ING 17)

RTECS #:9999999ZZ

Inged Name:ING 16:GASTROENTERITIS W/ANOREXIA & DIARRHEA & CIRRHOSIS OF LIVER. ING 2:RPTD/PRLNGD INGEST MAY CAUSE VISUAL (ING 18)

RTECS #:9999999ZZ

Inged Name:ING 17:IMPAIRMENT & POSS BLINDNESS. LIVER, KIDNEY, BRAIN DMG MAY OCCUR. ING 3:REPRO EFTS HAVE BEEN REPORTED IN (ING 19)

RTECS #:9999999ZZ

Inged Name:ING 18:ANIMALS. FOR MORE EXACTING INFORMATION CONCERNING HEALTH HAZARDS, CONTACT NEHC .

RTECS #:9999999ZZ

Inged Name:FIRST AID PROC:OCCSNLY LIFTING LIDS UNTIL NO EVID OF CHEM REMAINS (AT LEAST 15-20 MIN). CONTINUE IRRIGATING (ING 21)

RTECS #:9999999ZZ

Inged Name:ING 20:W/NORM SALINE UNTIL PH RETURNED

TO NORM (30-60 MIN).

COVER W/STERILE BANDAGES.GET MD IMMED. INGEST:REMOVE(ING 22)
RTECS #:9999999ZZ

Ingred Name:ING 21:ETHYL ALCOHOL BY GASTRIC LAVAGE W/TAP
WATER/EMESIS/BY GASTRIC LAVAGE W/WARM WATER/3-5% SODIUM
BICARBONATE(ING 23)
RTECS #:9999999ZZ

Ingred Name:ING 22:SOLN UNLESS 2 HRS/MORE HAVE PASSED SINCE INGEST.
SYRUP OF IPECAC MAY BE GIVEN PROMPTLY FOLLOWING INGEST. (ING 24)
RTECS #:9999999ZZ

Ingred Name:ING 23:ANTIDOTE/ETHANOL POISONING:NALOXONE, 0.01MG/KG, IV
HAS
AROUSAL EFT IN ACUTE ALCOHOLIC COMA.SHOULD BE ADMIN BY MD.
RTECS #:9999999ZZ

Ingred Name:SPILL PROC:FLARES IN HAZARD AREA. KEEP UNNECESSRAY PEOPLE
AWAY, ISOLATE HAZARD AREA & DENY ENTRY.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:SEE INGREDIENTS

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

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

Health Hazards Acute and Chronic:IRRITANT,EYE.SLIGHTLY TOX BY
INGEST,DE

RM ABSORP. CNS DEPRESSANT. POTENTIATES EFT OF CARBON
TETRACHLORIDE & OTHER HEPATOTOXIC CHLORINATED ALIPHATIC
HYDROCARBONS. ACUTE:INHAL:ING 1:EXPOS OF HUMANS TO 10 00-10,000PPM
CAUSED TEMPORARY IRRIT OF UPPER RESP TRACT & COUGH;& IF CONTINUED,
HDCH, STUPOR, FATIGUE, (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:DROWS, LASSITUDE & LOSS OF APPETITE.

ING 2:INTOX MAY RSLT IN STATE OF INEBRIATION. COUGH, HDCH,
ANOREXIA, WEAKNESS,

FATIGUE, INSOMNIA & LEG CRAMPS MAY OCCUR. ING

3:IRRIT OF NOSE,THROAT. HIGHE R CONCS MAY CAUSE EFTS AS IN ACUTE
INGEST. SKIN:ING 1:MAY CAUSE MILD REDNESS,BURNING. SENSIT HAS BEEN
REPORTED. (ING 4)

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

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

First Aid:INHAL:REMOVE TO FRESH AIR IMMED. IF BRTHG STOPPED, GIVE ARTF
RESP. MAINTAIN AI

WAY & BLOOD PRESS & GIVE O₂ IF AVAIL. KEEP

WARM/AT REST. TREAT SYMPTOMATICALLY & SUPPORTIVELY. GET MD IMMED.

SKIN:REMOVE CONTAMD CLTHG & SHOES IMMED. WASH AFFECTED AREA

W/SOAP/MILD DETERGENT & LG AMTS OF WATER UNTIL NO EVID OF CHEM
REMAINS (APPROX 15-20 MIN). GET MD IMMED. EYE:WASH IMMED W/LG AMTS
OF WATER, (ING 20)

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

Flash Point Method:CC

Flash Point:57F, 13.9C

Lower Limits:4.3%

Upper Limits:19%

Extinguis

hing Media:DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER

SPRAY/ALCOHOL FOAM. LARGER FIRES:WATER SPRAY, FOG OR ALCOHOL FOAM.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP.

MOVE CNTNR FROM FIRE AREA IF POSS.COOL FIRE-EXPSD CNTNRS W/H*20
FROM SIDE UNTIL WELL AFTER FIRE (SUPP DATA)

Unusual Fire/Explosion Hazard:DANGEROUS FIRE HAZ WHEN EXPSD TO

HEAT/FLAME. VAPS HVR THAN AIR & MAY TRAVEL CONSIDERABLE DIST TO
IGNIT SOURCE/FLASH BACK. VAP-AIR MIXT EXPLO ABOVE FL

ASH POINT.

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

Spill Release Procedures:SHUT OFF IGNIT SOURCES. DO NOT TOUCH SPILLED

MATL. STOP LEAK IF W/OUT RISK. USE WATER SPRAY TO REDUCE VAPS.

SML:TAKE UP W/SAND/OTHER ABSORB & PLACE INTO CNTNRS FOR LATER DISP.

LG:DIKE FAR AHEAD OF SPI LL FOR LATER DISP. NO SMOKING, FLAMES OR
(ING 25)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handli

ng and Storage Precautions:MAY BE IGNITED BY HEAT, SPARKS OR

FLAMES. CONTAINER MAY EXPLODE IN HEAT OF FIRE.

Other Precautions:VAPOR EXPLOSION & POISON HAZARD INDOORS, OUTDOORS OR

IN SEWERS. RUNOFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.

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

Respiratory Protection:SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON

CONTAMINATIN LEVELS FOUND IN WORK PLACE, MUST NOT EXCEED WORKING
LIMITS OF RESPIRATOR & BE NIOSH/MSHA

APPROVED. FOR SPECIFIC

RESPIRATOR SELECTIONS, CONTACT NEHC .

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION &/OR GENERAL DILUTION VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:CHEM WRKRS GOG & FULL LGTH FSHLD .

Other Protective Equipment:APPROPRIATE PROTECTIVE (IMPERVIOUS) CLOTHING & EQUIPMENT TO PREVENT REPEATED OR PROLONGED SKIN CONT.EMERG EYE WASH (FP N

Work Hygienic Practices:CONTACT LENSES SHOULD NOT BE WORN.

Supplemental

Safety and Health

FIRE FIGHT PROC:OUT.STAY AWAY FROM STOR TANK ENDS. FOR MASSIVE FIRE IN STOR AREA,USE UNMANNED HOSE HOLDER/MONITOR NOZZ, OR W/DRAW FROM AREA & LET BURN. W/DRAW IMMED IN CASE OF RISING SOUND FROM VENT SAFETY DEVICE/ANY DISCOLORATION OF STOR TANK DUE TO FIRE. SOLID STREAMS MAY BE INEFTIVE. AVOID BRTHG VAPORS, KEEP UPWIND.

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

Boiling Pt:B.P. Text:172F,78C

Melt/Freeze Pt:M.P/F.P Text:-172F,-113C

Va

por Pres:40 @ 20C

Vapor Density:1.6

Spec Gravity:0.8

Solubility in Water:SOLUBLE

Appearance and Odor:CLEAR, COLORLESS LIQUID.

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

Stability Indicator/Materials to Avoid:YES

ACETIC ANHYDRIDE, NITRIC ACID, AL, NI, KETONES, RUBBER. FOR MORE EXACTING LIST OF MATLS TO AVOID CNTCT NEHC .

Stability Condition to Avoid:HEAT, SPARKS OR FLAMES.

Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE TOXIC OXIDES OF CARBON AND FORMALDEHYDE.

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

Waste Disposal Methods:DISPOSE OF I/A/W FEDERAL, STATE AND LOCAL REGULATIONS .

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