

FISHER SCIENTIFIC -- A-393, ISOAMYL ALCOHOL -- 6810-00-070-0925

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

Product ID:A-393, ISOAMYL ALCOHOL

MSDS Date:05/18/1988

FSC:6810

NIIN:00-070-0925

MSDS Number: BPQQQ

=== 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

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:1-BUTANOL, 3-METHYL-; (ISOAMYL ALCOHOL)

CAS:123-51-3

RTECS #:EL5425000

Fraction by Wt: 100%

OSHA PEL:100 PPM/125 STEL

ACGIH TLV:100 PPM/125 STEL 94

Ingred Name:SUPDAT:FLOODING AMTS OF H*2O AS FOG; SOLID STREAMS MAY BE
INEFT. AVOID BRTHG VAPS; KEEP UPWIND.

RTECS #:9999999ZZ

Ingred Name:

CNDTNS (STAB):RUN-OFF TO SEWER MAY CREATE FIRE OR EXPLOSION
HAZARD.

RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP:IMMED. EYE:WASH IMMED W/LG AMTS OF H*2O,
OCCAS LIFTING UPPER & LOWER LIDS, UNTIL NO EVID OF CHEM (ING 5)

RTECS #:9999999ZZ

Ingred Name:ING 4:REMAINS (APPROX 15-20 MINS). GET MD IMMED. INGEST:IF
VICTIM IS CONSCIOUS, IMMED GIVE 2-4 GLASSES OF H*2O & (ING 6)

RTECS #:9999999ZZ

Ingred Name:ING 5:INDUCE VOMITING BY TOUCHING FINGER TO BACK OF THROAT.
GET MD IMMEDIATELY. N

O SPECIFIC ANTIDOTE. TREAT (ING 7)

RTECS #:9999999ZZ

Ingred Name:ING 6:SYMPTOMATICALLY & SUPPORTIVELY.

RTECS #:9999999ZZ

Ingred Name:SPILL PROC:SMOKING, FLAMES/FLARES IN HAZ AREA! KEEP UNNEC
PEOPLE AWAY; ISOLATE HAZ AREA & DENY ENTRY.

RTECS #:9999999ZZ

Ingred Name:RESP PROT:SUPPLIED-AIR RESP W/FULL FACEPIECE, MOUNTED
HELMET/HOOD. SCBA W/FULL FACEPIECE, HELMET/HOOD. 8000 PPM:(ING 10)

RTECS #:9999999ZZ

Ingred Name:ING 9:SCBA W/FULL FACEPIECE, OPERATED IN PRESS-DEMAND, POS
PRESS/CON

TINUOUS FLOW MODE. ESCAPE:GAS MASK W/ORG VAP(ING 11)

RTECS #:9999999ZZ

Ingred Name:ING 10:CANISTER (CHIN-STYLE/FRONT/BACK-MOUNTED CANISTER).
SCBA.

RTECS #:9999999ZZ

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

LD50 LC50 Mixture:LD50:(ORAL,RAT)1300 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:INHAL:MAY IRRIT EYES, NOSE,
THROAT/UPPER RESP TRACT/CAUSE HDCH

, DIZZ, FAINTNESS, DROW/NAUS. SEV
EXPOS MAY CAUSE NARCOS, CONFUSN/BONE MARROW DMG/MAY BE FATAL BY
LONG-TIME EXPOS. SKIN:MAY CAUSE IR RIT & DEFAT. EYE:MAY CAUSE IRRIT
@ LEVELS OF 150 PPM. INGEST:MAY CAUSE HDCH, DIZZ, NAUS,
DIARR/VOMIT. (EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:HLTH HAZ:SEV EXPOS MAY CAUSE NARCOS & UNCON.
CHRONIC:SKIN:MAY CAUSE DERM W/DEFAT. EYE:MAY CAUSE CONJ.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MAN
UFACTURER.

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

First Aid:INHAL:REMOVE FROM EXPOS AREA TO FRESH AIR IMMED. IF BRTHG HAS
STOPPED, GIVE ARTF RESP. MAINT AIRWAY & BLOOD PRESS & ADMIN O*2 IF
AVAIL. KEEP AFFECTED PERS WARM & @ REST. ADMIN OF O*2 SHLD BE
PERFORMED BY QUALIFIED PERS. GET MD IMMED. SKIN:REMOVE CONTAM
CLTHG & SHOES IMMED. WASH AFFECTED AREA W/SOAP/MILD DETERGENT & LG
AMTS OF H*2O UNTIL NO EVID OF CHEM REMAINS (APPROX 15-20 MINS). GET

MD (ING 4)

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

Flash Point Method:CC
Flash Point:109F,43C
Lower Limits:1.92%
Upper Limits:9% @ 100C
Extinguishing Media:DRY CHEMICAL, CO*2, HALON, WATER SPRAY OR ALCOHOL
FOAM. FOR LARGER FIRES, USE 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-EXPOSED CNTNRS
W/H*2O FROM SIDE UNTIL WELL AFTER FIRE(SUPDAT)
Unus
ual Fire/Explosion Hazard:MODERATE FIRE HAZARD & SLIGHT EXPLOSION
HAZARD WHEN EXPOSED TO HEAT OR FLAMES.

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

Spill Release Procedures:SHUT OFF IGNIT SOURCES. STOP LEAK IF YOU CAN
DO IT W/OUT RISK. USE H*2O SPRAY TO REDUCE VAPS. FOR SM SPILLS,
TAKE UP W/SAND/OTHER ABSORB MATL & PLACE INTO CNTNRS FOR LATER
DISP. FOR LGR SPILLS, DIKE F AR AHEAD OF SPILL FOR LATER DISP. NO
(ING 8)
Neutralizing Agent:NONE SPECIFIED

BY MANUFACTURER.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:SPEC RESP SELECTED MUST BE BASED ON CONTAM LEVELS FOUND IN WORK PLACE & BE NIOSH/MSHA APPRVD. 1000 PPM:CHEM CARTRIDGE RESP W/ORG VAP CARTRIDGE(S) W/FULL FACEPIECE. 5000 PPM:GAS MASK W/ORG VAP C

ANISTER

(CHIN-STYLE/FRONT/BACK-MOUNTED).(ING 9)

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION &/OR GENERAL DILUTION VENTILATION TO MEET PELS.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:APPROPRIATE PROTECTIVE (IMPERVIOUS) CLOTHING & EQUIPMENT TO PREVENT REPEATED OR PROLONGED SKIN CONTACT.

Work Hygienic Practices:CONTACT LENSES SHOULD NOT BE WORN.

Supplemental Safety and Health

FIRE FIGHT PROC:IS OUT. STAY AWAY FROM STOR

TANK ENDS. FOR MASSIVE FIRE

IN STOR AREA, USE UNMANNED HOSE HOLDER/MONITOR NOZZ, ELSE W/DRAW FROM AREA & LET FIRE BURN. W/DRAW IMMED IN CASE OF RISING SOUND FROM VENTING SFTY DEVICE/ANY DISCOLORATION OF STOR TANK DUE TO FIRE. EXTING ONLY IF FLOW CAN BE STOPPED. USE (ING 2)

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

Boiling Pt:B.P. Text:941F,505C

Melt/Freeze Pt:M.P/F.P Text:-179F,-117C

Vapor Pres:2.8 @ 20C

Vapor Density:3

Spec Gravity:0.8

Solubility in

Water:SLIGHTLY SOLUBLE

Appearance and Odor:COLORLESS LIQUID W/DISAGREEABLE ODOR & PUNGENT, REPULSIVE TASTE.

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

Stability Indicator/Materials to Avoid:YES

MAY REACT VIGOROUSLY W/REDUCING MATERIALS. STRONG OXIDIZING AGENTS:REACTION MAY RELEASE TOXIC CO.

Stability Condition to Avoid:MAY BE IGNITED BY HEAT/SPKS/FLAMES. CNTNR MAY EXPLODE IN HEAT OF FIRE. VAP EXPLO HAZ INDOORS/OUTDOORS/IN SEWERS. (ING 3)

Hazardous Deco

mposition Products:WHEN HEATED TO DECOMPOSITION, PRODUCES
ACRID SMOKE & FUMES.

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

Waste Disposal Methods:DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL
REGULATIONS .

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