

FISHER SCIENTIFIC -- A18, ACETONE A18500 -- 6810-00-822-7639

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

Product ID:A18, ACETONE A18500

MSDS Date:11/11/1991

FSC:6810

NIIN:00-822-7639

MSDS Number: BPPCS

=== 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(CHEMTRE
C)

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:ACETONE (SARA III)

CAS:67-64-1

RTECS #:AL3150000

Fraction by Wt: 100%

OSHA PEL:1000PPM

ACGIH TLV:750PPM/1000STEL;9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:SUPP DATA: ISOLATE FOR 1/2 MILE IN A

LL DIRECTIONS IF TANK,
RAIL CAR/TANK TRUCK IS INVOLVED IN FIRE. EXTING ONLY (ING 3)
RTECS #:9999999ZZ

Inged Name:ING 2:IF FLOW CAN BE STOPPED.USE FLOODING AMTS OF H*2O AS
FOG; SOLID STREAMS MAY BE INEFT.COOL CNTNRS W/FLOODING (ING 4)
RTECS #:9999999ZZ

Inged Name:ING 3: AMTS OF H*2O FROM AS FAR DISTANCE AS POSS. AVOID
BRTHG VAPS; KEEP UPWIND.IF FIRE IS UNCONTROLLABLE/CNTNRS (ING 5)
RTECS #:9999999ZZ

Inged Name:ING 4: ARE EXPOS TO DIRECT FLAME, EVAC TO RADIUS OF 1500
FEET. CO
NSIDER EVACUATION OF DOWNWIND AREA IF MATL IS (ING 6)
RTECS #:9999999ZZ

Inged Name:ING 5: LEAKING. WATER MAY BE INEFFECTIVE.
RTECS #:9999999ZZ

Inged Name:EFTS OF OVEREXP: STINGING SENSATION & IF WASHED PROMPTLY,
DMG ONLY TO CORNEAL EPITHELIUM CHARACT BY MICROSCOPIC (ING 8)
RTECS #:9999999ZZ

Inged Name:ING 7: GRAY DOTS & FOREIGN BODY SENSATION, WHICH HEALS
COMPLETELY IN 1-2 DAYS. INGEST:MAY CAUSE FRUITY ODOR OF (ING 9)
RTECS #:9999999ZZ

Inged Name:ING 8:BRTH, MUC MEMB & GASTROENTE
RIC IRRIT.A LATENT PERIOD
MAY BE FOLLOWED BY RESTLESSNESS, DIARR,NAUS & VOMIT (ING 10)
RTECS #:9999999ZZ

Inged Name:ING 9:PROCEEDING TO HEMATEMESIS & PROGRESSIVE COLLAPSE
W/STUPOR. BLOOD GLUCOSE LEV MAY BE AFFECTED & KETOSIS MAY(ING 11)
RTECS #:9999999ZZ

Inged Name:ING 10:BE FATAL. (CHRONIC) INHAL: WORKERS EXPOS TO 500
PPM/6 HRS/6 DAYS EXPERIENCED MUC MEMB IRRIT,AN UNPLEASANT(ING 12)
RTECS #:9999999ZZ

Inged Name:ING 11:SMELL, HEAVY EYES, OVERNIGHT HDCH,& GEN WEAK
ACCOMPANIE

D BY HEMATOLOGIC CHANGES. RECOVERY OCCURRED IN SEV(ING
13)

RTECS #:9999999ZZ

Inged Name:ING 12:DAYS. 1000 PPM FOR 3 HRS/DAY FOR 7-15 YRS REPORTED
CHRONIC INFLAM OF RESP TRACT,STOMACH & DUODENUM, DIZZ,(ING 14)

RTECS #:9999999ZZ

Inged Name:ING 13:LOSS OF STRENGTH & ASTHENIA. REPROD EFTS HAVE BEEN
REPORTED IN ANIMALS. SKIN: RPTD/PRLNGD EXPOS MAY CAUSE(ING 15)

RTECS #:9999999ZZ

Inged Name:ING 14:DERM/ERYTHEMA DUE TO DEFAT ACTION ACCOMPANIED BY
PERSISTENT PARESTHESIA OF FINGERS.

EYE: PRLNGD/RPTD EXPOS(ING 16)

RTECS #:9999999ZZ

Inged Name:ING 15:TO VAPS MAY CAUSE IRRIT/CONJUNCT.INGEST:NO DATA
AVAIL.FOR MORE EXACTING INFO CONCERNING HLTH HAZ,CONT NEHC.

RTECS #:9999999ZZ

Inged Name:FIRST AID PROC: LIFTING UPPER & LOWER LIDS FOR AT LEAST 15
MIN, UNTIL NO EVIDENCE OF CHEM REMAINS (APPROX 15-20 (ING 18)

RTECS #:9999999ZZ

Inged Name:ING 17:MIN). GET MED ATTN IMMED. INGEST:IF PERSON IS
CONSCIOUS & NOT CONVULSING, INDUCE EMESIS BY GIVING SYRUP (ING 19)

RTECS #:

9999999ZZ

Inged Name:ING 18:OF IPECAC FOLLOWED BY H*2O.(IF VOMIT OCCURS KEEP
HEAD BELOW HIPS TO PVNT ASPIR). REPEAT IN 20 MIN IF NOT (ING 20)

RTECS #:9999999ZZ

Inged Name:ING 19:EFT INITIALLY.GIVE ACTIVATED CHARCOAL.IN PATIENTS
W/DEPRESSED RESP/IF EMESIS IF NOT PRDCED,GASTRIC LAVAGE(ING 21)

RTECS #:9999999ZZ

Inged Name:ING 20: SHOULD BE PERFORMED BY QUALIFIED MEDICAL PERSON.
GET MEDICAL ATTENTION IMMEDIATELY.

RTECS #:9999999ZZ

Inged Name:SPILL PROC: FLAMES OR FLARES IN HAZARD

AREA. KEEP UNNEC
PEOPLE AWAY; ISOLATE HAZARD AREA AND DENY ENTRY.
RTECS #:9999999ZZ

Ingred Name:WASTE DISP METH: RESPONSE COMMISION (40 CFR 355.40). IF
RELS OF SUBSTANCE IS REPORTABLE UNDER CERCLA SEC 103, (ING 24)
RTECS #:9999999ZZ

Ingred Name:ING 23: NATL RESPONSE CTR MUST BE NOTIFIED IMMEDIATE AT
(800)424-8802/(202) 426-2675 IN METROPOLITAN WASHINGTON, (ING 25)
RTECS #:9999999ZZ

Ingred Name:ING 24: D.C. AREA (40 CFR 302.6). DISPOSE OF IN ACCORDANCE
WITH LOCAL, STATE AND FEDERAL REGULATIONS .
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:LD50: (ORAL,RAT) 5800 MG/KG.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:(ACUTE)INHAL: VAP CONC AROUND 1000 PPM
MAY CAUSE SLIGHT TRANSIENT IRRIT OF UPPER RESP TRACT. 12,000PPM HAS
CAUSED THROAT IRRIT & CNS DEPRESS W/WEAK OF LEGS, HDCH, DIZZ, DROW,
NAUS & GEN FEELING
OF MAL AISE. SKIN: CONT CAUSED MILD IRRIT IN
RABBITS. CELLULAR DMG TO OUTER LAYERS OF EPITHELIUM W/MILD EDEMA
(EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT.
Effects of Overexposure:HLTH HAZ:& HYPEREMIA HAS BEEN DEMONSTRATED IN
HUMANS, BUT WAS READILY REVERSIBLE. SML AMTS MAY BE ABSORB THRU
INTACT SKIN. EYE: VAPS PRDCE ONLY SLIGHT IRRIT WHEN CONC IS
AT/BELOW 1000PPM. HOWEVER, HIGH VAP CONC HAVE CAUSED CORNEAL
EPITHELIAL & CONJUNCTIVAL INJ IN ANIMALS. (LIQ
SPLASHED IN EYES
CAUSES AN IMMEDIATE (ING 7)
Medical Cond Aggravated by Exposure:PERSONS WITH CHRONIC RESPIRATORY OR
SKIN DISEASES.

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

First Aid:INHAL:REMOVE FROM EXPOS AREA TO FRESH AIR IMMEDIATE.IF BRTHG HAS
STOPPED, PERFORM ARTF RESP. KEEP PERSON WARM & AT REST.TREAT SYMP &
SUPPORTIVELY. GET MED ATTN IMMEDIATE. SKIN: REMOVE CONTAMD CLTHG &
SHOES IMMEDIATE.WASH AFFECTED AREA W/SOAP/MILD DETERGENT & LRG AMTS OF
H₂O UN

TIL NO EVIDENCE OF CHEM REMAINS (APPROX 15-20 MIN). GET MED
ATTN IMMED. EYE: WASH IMMED W/LRG AMTS OF H*2O/NORM SALINE, OCCAS
(ING 17)

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

Flash Point Method:CC

Flash Point:-4F,-20C

Lower Limits:2.5%

Upper Limits:13%

Extinguishing Media:DRY CHEM, CO*2, WATER SPRAY OR ALCOHOL-RESISTANT
FOAM. FOR LARGER FIRES, USE WATER SPRAY, FOG/ALCOHOL-RESISTANT
FOAM.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PR
OT

EQUIP.MOVE CNTNR FROM FIRE AREA IF YOU CAN DO IT W/OUT RISK.APPLY
COOLING H*2O TO SIDES OF CNTNRS THAT ARE(SUPDAT)

Unusual Fire/Explosion Hazard:DANGEROUS FIRE HAZARD WHEN EXPOSED TO
HEAT OR FLAME. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL
CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASHBACK.

===== 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 RED

UCE VAPS.FOR SML SPILLS,TAKE UP

W/SAND/OTHER ABSORB MATL & PLACE INTO CNTNRS FOR LATER DISP.FOR
LRGR SPILLS,DIKE FAR A HEAD OF SPILL FOR LATER DISP.NO SMOKING,
(ING 22)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:OBSERVE ALL FEDERAL, STATE AND LOCAL
REGULATIONS WHEN STORING OF SUBSTANCE. FOR ASSISTANCE, CONTACT
DISTRICT DIRECTOR OF ENVIRONMENTAL PROT AGENCY.

Other Pre

cautions:AVOID CONT WITH HEAT, SPARKS, FLAMES, OR OTHER

SOURCES OF IGNITION. VAPS MAY BE EXPLO AND POISONOUS; DO NOT ALLOW
UNNEC PERS IN AREA. DO NOT OVERHEAT CNTNRS; CONTAINERS MAY
VIOLENTLY RUPTURE & TRAVEL CONSIDERABLE DISTANCE IN HEAT OF FIRE.

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

Respiratory Protection:SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON
CONTAMINATION LEVELS FOUND IN WORK PLACE, MUST NOT EXCEED WORKING
LIMITS OF RESPIRATOR AND BE

APPROVED BY NIOSH/MSHA. FOR SPECIFIC
RESP SELECTIONS, CONTACT NEHC .

Ventilation:PROVIDE LOCAL EXHAUST OR GENERAL DILUTION VENTILATION TO
MEET PUBLISHED EXPOSURE LIMITS. VENT EQUIP MUST BE EXPLO-PROOF.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:APPROP PROT (IMPERVIOUS) CLTHG & EQUIP TO
PVNT SKIN CONT. PROVIDE EYE WASH FOUNTAIN W/IN IMMED WORK AREA FOR
EMER USE.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER

Supplemental Safety and Health

FIRE FIGHT PROC: EXPOS TO FLAMES UNTIL WELL AFTER FIRE IS OUT. STAY
AWAY FROM ENDS OF TANKS.FOR MASS FIRE IN CARGO AREA, USE UNMANNED
HOSE HOLDER/MONITOR NOZ;IF IMPOSSIBLE, WITHDRAW FROM AREA & LET FI
RE BURN. WITHDRAW IMMED IN CASE OF RISING SOUND FROM VENTING SAFETY
DEVICE/ANY DISCOLORATION OF TANK DUE TO FIRE.(ING 2)

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

Boiling Pt:B.P. Text:133F,56C

Melt/Freeze Pt:M.P/F.P Text:
-139F,-95C

Vapor Pres:180 @ 20C

Vapor Density:2

Spec Gravity:0.7899

Evaporation Rate & Reference:6 (BUTYL ACETATE=1)

Solubility in Water:VERY SOLUBLE

Appearance and Odor:CLEAR, COLORLESS, VOLAT LIQ W/CHARACT SWEET
MINT-LIKE ODOR & SWEET TASTE.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ACIDS, AMINES, CHLOROFORM, OXIDIZERS, PLASTICS. FOR MORE EXACTING INFO
CONCERNING MATERIALS TO AVOID, CONTACT NEHC .

Stability Condition to Avoid:HEAT, SPARKS, FLAMES, OR OTHER SOURCES OF
IGNITION.

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

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

Waste Disposal Methods:DISP MUST BE I/A/W STD APPLIC TO GENERATORS OF
HAZ WASTE,40 CFR 262.EPA HAZ WASTE # U002. REPORTABLE QTY (RQ):
5000 LBS: (SARA) SEC 304 REQS RELS => REPORTABLE QTY FOR SUBSTANCE
BE IMMED REP

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