

FISHER SCIENTIFIC -- ACETONE, A19 -- 6810-00-982-7797

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

Product ID:ACETONE, A19

MSDS Date:02/25/1992

FSC:6810

NIIN:00-982-7797

MSDS Number: BSCYC

=== 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(CHEMTREC)

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:750 PPM; 1000 STEL

ACGIH TLV:750 PPM; 1000 STEL

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:SUPDAT:FOR 1/2 MILE IN ALL DIRECTIONS IF T

ANK/RAIL CAR/TANK

TRUCK INVOLVED. EXTING ONLY IF FLOW CAN BE STOPPED. (ING 3)

RTECS #:9999999ZZ

Ingred Name:ING 2:USE FLOODING AMT WATER AS FOG. SOLID STREAMS MAY BE
INEFTIVE. COOL CNTNRS W/FLOODING AMT WATER FROM AS FAR (04)

RTECS #:9999999ZZ

Ingred Name:ING 3:AS POSS. AVOID BRTHG VAP. KEEP UPWIND. IF

UNCONTROLLABLE/CNTNRS EXPOS TO DIRECT FLAME, EVACUATE TO RADIUS
(ING 5)

RTECS #:9999999ZZ

Ingred Name:ING 4:OF 1500 FT. CONSIDER EVACUATION OF DOWNWIND AREA IF
MATL LEAKING.

WATER MAY BE INEFTIVE.

RTECS #:9999999ZZ

Ingred Name:MATLS TO AVOID:DIOXYGEN DIFLUORIDE & SOLID CO*2, HYDROGEN
PEROXIDE, NITRIC + SULFURIC ACID MIX, PERMONOSULFURIC (ING 7)

RTECS #:9999999ZZ

Ingred Name:ING 6:ACID, SULFUR DICHLORIDE, THIODIGLYCOL + HYDROGEN
PEROXIDE. CNTCT NEHC FOR MORE INFORMATION ON INCOMPATIBLES

RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP:SM AMT MAY BE ABSORBED. EYES:VAP PRDCE
SLIGHT IRRIT WHEN CONC THIS AMT MUST BE REPORTED.

RTECS #:9999999ZZ

Ingred Name

:RESP PROT:SUPPLIED-AIR RESP. SCBA. 6250 PPM:AIR-PURIFYING

FULL FCPIECE RESP (GAS MASK) W/CHIN-STYLE, FRONT/BACK (ING 24)

RTECS #:9999999ZZ

Ingred Name:ING 23:MOUNTED ORG VAP CANISTER. SCBA W/FULL FCPIECE.

SUPPLIED-AIR RESP W/FULL FCPIECE. 20,000 PPM:SUPPLIED-AIR (ING 25)

RTECS #:9999999ZZ

Ingred Name:ING 24:RESP W/FULL FCPIECE & OPERATED IN PRESS-DEMAND/OTHER
POS-PRESS MODE. ESCAPE:AIR-PURIFYING, FULL-FCPIECE RESP.

RTECS #:9999999ZZ

===== Hazards Identification

=====

LD50 LC50 Mixture:(ORAL, RAT) 5800 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:VAP CONC OF 1000PPM CAUSE
SLIGHT IRRIT OF UPPER RESP TRACT. 12,000PPM HAS CAUSED THROAT IRRIT
& CNS DEPRESS W/WEAK LEG, HDCH, DIZZ, DROW, NAUS & GEN FEELING OF
MALAISE. OTHER EFTS INCL DRY MOUTH & THROAT, MOTION & SPEECH
INCOORDINATION, RESTLESSNESS, ANOREXIA, ABD
OM PAIN,VOMIT, FOLLOWED
BY (EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:HLTH HAZ:HEMATEMESIS, HYPOTHERMIA, DYSPNEA,
SLOW, IRREGULAR RESP, SLOW, WEAK PULSE, PROGRESSIVE COLLAPSE
W/STUPOR & IN SEV CASES, COMA. LIVER DMG & KIDNEY DMG. BLOOD
GLUCOSE LEVELS MAY BE AFFECTED & F ATAL KETOSIS POSS. SKIN:CELL DMG
TO OUTER LAYERS OF EPITHELM W/MILD EDEMA & HYPEREMIA BUT USUALLY
REVERSIBLE. (ING 8)
Medical Cond Aggravated by Exposure:PERSONS
WITH CHRONIC RESPIRATORY OR
SKIN DISEASES ARE AT AN INCREASED RISK FROM EXPOSURE.

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

First Aid:INHAL:MOVE TO FRESH AIR IMMED. IF BRTHG STOPPED, PERFORM ARTF
RESP. KEEP WARM & @ REST. TREAT SYMPTOMATICALLY & SUPPORTIVELY. GET
MED ATTN IMMED. SKIN:REMOVE CONTAMD CLTHG & SHOES IMMED. WASH AREA
W/S OAP/MILD DETERGENT & LG AMT WATER UNTILNO CHEM REMAINS (APPROX
15-20 MIN). GET MED ATTN IMMED. EYES:WASH IMMED W/LG
AMT WATER/NORM
SALINE, OCCAS LIFTING EYELIDS UNTIL NO CHEM REMAINS (APPROX (ING
18)

===== 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/ALCOHOL-RESISTANT FOAM.
FOR LG FIRES, WATER SPRAY, FOG/ALCOHOL-RESISTANT FOAM. ALCOHOL
FOAM.
Fire Fighting Procedures:USE NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP.
MOVE CNTNR FROM FIRE AREA IF CAN D

O W/OUT RISK. APPLY COOLING WATER
TO CNTNR SIDES THAT ARE EXPOS (SUPDAT)
Unusual Fire/Explosion Hazard:DANGEROUS FIRE HAZ WHEN EXPOS TO
HEAT/FLAME. VAP HVR/AIR & MAY TRAVEL A CONSIDERABLE DIST TO SOURCE
OF IGNIT & FLASH BACK. VAP-AIR MIXTURES ARE EXPLOSIVE.

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

Spill Release Procedures:SHUT OFF IGNIT SOURCES. STOP LEAK IF CAN DO
W/OUT RISK. USE WATER SPRAY TO REDUCE VAP. SM SPILLS:TAKE UP
W/SAND/OTHER ABSORB MA
TL & PLACE IN CNTNRS FOR LATER DISP. LG
SPILLS:DIKE FAR AHEAD OF SPILL FO R LATER DISP. NO SMKNG,
FLAMES/FLARES IN (ING 22)
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN ACCORDANCE W/29 CFR 1910.106.
STORE AWAY FROM INCOMPATIBLE SUBSTANCES.
Other Precautions:BONDING & GROUNDING:SUBSTANCES W/LOW
ELECTROCONDUCTIVITY, WHICH MAY BE IGNITED BY ELECTROSTATIC SPK,
SHO
ULD BE STORED IN CNTNRS WHICH MEET BONDING & GROUNDING
GUIDELINES SPECIFIED IN NFPA 77-1983, REC OM PRACTICE ON STATIC
ELEC.

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

Respiratory Protection:FOLLOWING RESP & MAX USE CONC ARE RECOM. RESP
SELECTED MUST BE BASED ON CONTAM LEVELS, MUST NOT > LIM OF RESP &
BE NIOSH/MSHA APPRVD. 1000PPM:CHEM CARTRIDGE RESP W/ORG VAP
CARTRIDGE. POWERED, AIR-PURI FYING RESP W/ORG VAP CARTRIDGE. (ING
23)
Ventilation:LOC
EXHST/GEN DILUTION VENT TO MEET PUBLISHED EXPOS LIM.
VENT EQUIP MUST BE EXPLOSION-PROOF.
Protective Gloves:IMPERVIOUS GLOVES .
Eye Protection:SPLASH PROOF/DUST-RESISTANT SFTY GOGG.
Other Protective Equipment:PROT (IMPERVIOUS) CLTHG & EQUIP. EYE WASH
FOUNTAIN W/IN IMMED WORK AREA FOR EMERGENCY USE.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
FIRE FIGHT PROC:TO FLAMES UNTIL WELL AFTER FIRE OUT. STAY AWAY FROM
ENDS OF TANKS. FOR MASSIVE FIRE IN

CARGO AREA, USE UNMANNED HOSE
HOLDER/MONITOR NOZZ; IF IMPOSSIBLE, W/DRAW FROM AREA & LET FIRE BUR
N. W/DRAW IMMED IN CASE OF RISING SOUND FROM VENTING SFTY DEVICE/ANY
DISCOLORATION OF TANK DUE TO FIRE. ISOLATE (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 SWEETISH
MINT-LIKE ODOR & SWEETISH TASTE
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
ACIDS, AMINES, BROMINE, BROMINE TRIFLUORIDE, BROMOFORM, CHLOROFORM,
CHROMIUM TRIOXIDE, CHROMYL CHLORIDE, (ING 6)
Stability Condition to Avoid:HEAT, SPARKS, FLAMES/OTHER SOURCES OF
IGNIT. VAP MAY BE EXPLO & POISONOUS. DO NOT OVERHEA
T CNTNRS.
Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY
INCLUDE TOXIC OXIDES OF CARBON.

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

Waste Disposal Methods:OBSERVE ALL FED, STATE & LOCAL REGS WHEN
STORING/DISPOSING OF THIS SUBSTANCE. FOR ASSISTANCE, CONTACT
DISTRICT DIRECTOR OF THE EPA. DISPOSAL MUST BE IN ACCORDANCE
W/STANDARDS APPLICABLE TO GENERATORS OF HAZ WASTE, 40 CFR 262. EPA
HAZ WASTENO U002.

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.