

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

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Product Identification  
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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:1B46

4

=== 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: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 I

F TANK/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 LEAKI

NG. 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 N

ame: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 Identificatio

n =====

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, ABDOM PAIN,VOMIT, FOLLOWED BY (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:HEMATEMESIS, HYPOTHERMIA, DYS-PNEA, 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 EPITHELIM W/MILD EDEMA & HYPEREMIA BUT USUALLY REVERSIBLE. (ING 8)

Medical Cond Aggravated by Exposure:PERS

ONS 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 CA

N DO 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  
MATL & 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,  
SHOULD 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:L  
OC 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 BURN. W/DRAW IMMED IN CASE OF RISING SOUND FROM VENTING SAFETY 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 OVER HEAT CONTNRS.

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.

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