

## **ACETONE, AC400100040**

### **MSDS Number**

CJBPS

### **National Stock Number**

6810-00N090404

### **Product Name**

ACETONE, AC400100040

### **Manufacturer**

FISHER SCIENTIFIC

### **Product Identification**

Product ID:ACETONE, AC400100040

MSDS Date:12/12/1997

FSC:6810

NIIN:00N090404

MSDS Number: CJBPS

### **Responsible Party**

FISHER SCIENTIFIC

1 REAGENT LANE

FAIRLAWN , NJ 07410

US

Emergency Phone: 800-424-9300(CHEMTREC);201-796-7100

Info Phone: 201-796-7100

Cage: 1B464

### **Contractor**

FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

FAIRLAWN, NJ 07410-2802

US

201-796-7100

Cage: 1B464

### **Ingredients**

ACETONE; (2-PROPANONE) (SARA 313) (CERCLA)

CAS: 67-64-1

RTECS: AL3150000

Fraction By Weight: 99-100%

OSHA PEL1000 PPM

ACGIH TLV: 750 PPM/1000 STEL

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

### **Hazards**

LD50 LC50 Mixture:LD50 (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: EYES: PRDCES IRRIT,  
CHARACTERIZED BY BURNING SENSATION, REDNESS, TEARING, INFLAMM, &  
POSS CORNEAL INJURY. SKIN: MAY CAUSE IRRIT INCL REDNESS, DRYNESS, &

INFLAMM. INGEST: MAY CAUSE IRRIT OF DIGESTIVE TRACT. MAY CAUSE CNS DEPRESS, KIDNEY & LIVER DMG. SYMPS MAY INCL HDCH, EXCITEMENT, FATG, NAUS, (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: VOMIT, STUPOR, & COMA. INHAL: INHAL OF HIGH CONCS MAY CAUSE CNS EFTS CHARACTERIZED BY HDCH, DIZZ, UNCON & COMA. CAUSES RESP TRACT IRRIT. MAY CAUSE LIVER & KIDNEY DMG. MAY CAUSE MOTOR INCOORD & SPEECH ABNORMS. CHRONIC: PRLNG/RPTD SKIN CONT MAY CAUSE DERM. CHRONIC INHAL MAY CAUSE EFTS SIMILAR TO ACUTE INHAL.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS, OCCAS LIFTING UPPER & LOWER LIDS. GET MED AID IMMED. SKIN: FLUSH W/PLENTY OF SOAP & WATER FOR AT LEAST 15 MINS WHILE REMOVING CONTAM CLTHG & SHOES. GET MED AID IF IRRIT DEVELOPS/PERSISTS.INGEST: IF CONSCIOUS & ALERT, GIVE 2-4 CUPFULS OF MILK/WATER. GET MED AID IMMED. INHAL: GET MED AID IMMED. REMOVE FROM EXPOS TO FRESH AIR IMMED. IF NOT BRTHG, GI VE ARTF RESP. IF BRTHG IS DFCLT, GIVE OXYGEN. NOTES TO MD: TREAT SYMPTOMATICALLY & SUPPORTIVELY.

## Fire Fighting

Flash Point:-4F,-20C

Lower Limits:2.5%

Upper Limits:12.8%

Extinguishing Media:FOR SMALL FIRES, USE DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR ALCOHOL-RESISTANT FOAM. FOR LARGE FIRES, USE WATER SPRAY, FOG, OR ALCOHOL-RESISTANT FOAM.

Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion Hazard:CONTAINERS CAN BUILD UP PRESSURE IF EXPOSED TO HEAT AND/OR FIRE. VAPORS CAN TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK.

## Accidental Release

Spill Release Procedures:USE PROPER PERS PROTECTIVE EQUIP AS INDICATED IN SECTION 8. ABSORB SPILL WITH INERT MATERIAL (E.G., DRY SAND OR EARTH), THEN PLACE INTO A CHEMICAL WASTE CONTAINER. WEAR APPROP PROTECTIVE CLOTHING TO MINIMIZE CONT W/SKIN. REMOVE ALL SOURCES OF IGNIT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:USE W/ADEQUATE VENTILATION. AVOID CONTACT W/EYES, SKIN & CLOTHING. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID &/OR VAPOR), & CAN BE DANGEROUS.

Other Precautions:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE EMPTY CONTAINERS TO HEAT, SPARKS OR OPEN FLAMES. KEEP AWAY FROM SOURCES OF IGNITION. STORE IN A TIGHTLY CLOSED CONTAINER.

## Exposure Controls

Respiratory Protection:FOLLOW THE OSHA RESPIRATOR REGULATIONS FOUND IN 29 CFR 1910.134 OR EUROPEAN STANDARD EN 149. ALWAYS USE A NIOSH OR EUROPEAN STANDARD EN 149 APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation:USE PROCESS ENCLOSURE, LOC EXHST VENT/OTHER ENGINEERING CTLS TO CTL AIRBORNE LEVELS BELOW RECOMMENDED EXPOS LIMITS.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:ANSI APPROVED EMERGENCY EYEWASH AND DELUGE SHOWER . WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

Supplemental Safety and Health

MATLS TO AVOID: THIODIGLYCOL + HYDROGEN PEROXIDE.

## Chemical Properties

Boiling Pt:B.P. Text:133F,56C  
Melt/Freeze Pt:M.P/F.P Text:-140F,-95C  
Vapor Pres:180  
Vapor Density:2.0  
Spec Gravity:0.79 (H\*2O=1)  
pH:7  
Evaporation Rate & Reference:7.7 (N-BUTYL ACETATE=1)  
Solubility in Water:SOLUBLE  
Appearance and Odor:COLORLESS LIQUID WITH SWEETISH ODOR.

## Stability

Stability Indicator/Materials to Avoid:YES  
FORMS EXPLOSIVE MIXTURES WITH HYDROGEN PEROXIDE, ACETIC ACID, NITRIC ACID, NITRIC ACID + SULFURIC ACID, CHROMIC ANHYDRIDE, CHROMYL CHLORIDE, NITROSYL CHLORIDE, HEXACHLOROMETHANE, NITROSYL PERCHLORATE, NITRYL PERCHLORATE, PE  
Stability Condition to Avoid:HIGH TEMPERATURES, TEMPERATURES ABOVE 220C.  
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE.

## Disposal

Waste Disposal Methods:DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL, STATE, AND LOCAL REGULATIONS. RCRA U-SERIES: CAS # 67-64-1: WASTE NUMBER: U002.

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