

FISHER SCIENTIFIC CO CHEMICAL DIV. -- ACETONE -- 6810-00-753-4780

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Product Identification  
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Product ID:ACETONE

MSDS Date:03/25/1987

FSC:6810

NIIN:00-753-4780

MSDS Number: BQGPG

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL DIV.

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 OR 201-796

-7523

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

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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%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000PPM

ACGIH TLV:750PPM/1000STEL;9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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Hazards Identification  
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LD50 LC50 Mixture:ORAL RAT LD50 IS 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:PRODUCT IS IRRITATING TO THE EYES, MUCOUS MEMBRANES, AND WITH PROLONGED/REPEATED CONTACT, THE SKIN. IT HAS A NARCOTIC EFFECT IF INHALED, CHRONIC OVEREXPOSURE MAY LEAD TO LIVER/KIDNEY DAMAGE. IT HAS A LOW ORDER OF ORAL TOXICITY.

Explanation of

Carcinogenicity:PRODUCT IS NOT LISTED AS A CARCINOGEN BY IARC, NTP, OR OSHA.

Effects of Overexposure:EYE:SEVERE IRRITATION, POSSIBLE PERMINENT DAMAGE. SKIN:POSSIBLE DERMATITIS WITH PROLONGED/REPEATED CONTACT. INHALED: ANESTHETIC REACTIONS OF HEADACHE,DIZZINESS,AND CENTRAL NERVOUS SYSTEM EFFECTS. INGESTED:LOW ORDER TOXICITY, MFR STATES THAT PRIME HAZARD WITH INGESTION IS ASPIRATION INTO LUNGS CAUSING PULMONARY EDEMA.

Medical Cond Aggravated by Exposure:PEOPLE WITH CHRONIC RESPIRATORY OR SKIN DISEASES MAY BE AT INCREASED RISK WHEN EXPOSED TO THIS CHEMICAL.

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First Aid Measures  
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First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY. INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

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Fire Fighting Measures  
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Flash Point Method:CC

Flash Point:0F,-18C

Autoignition Temp:Autoignition Temp Text:869F

Lower Limits:2.5

Upper Limits:13

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO C

OOB NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:PER NFPA, WATER MAY BE INEFFECTIVE IN SOME CASES. FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. RECOVER AS LIQUID IF POSSIBLE AND MOP UP OR ADSORB WITH INERT MATERIAL. PLACE IN CLOSED CONTAINERS FOR DISPOSAL.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, LOW FIRE RISK AREA.  
Other Precautions:'EMPTY' CONTAINERS MAY CONTAIN RESIDUE OR VAPOR. TREAT THEM WITH THE RESPECT DUE FULL ONES. DO NOT CUT,WELD,ETC. ON THEM. USE PROPER GROUNDING PROCEDURES WHEN TRANSFERRING PRODUCT.

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

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR (RECOMMENDED) OR RESPIRATOR FOR ORGANIC VAPOR IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

Ventilation:NORMAL ROOM VENTILATION IS SUFFICIENT. SUPPLEMENT WITH LOCAL EXHAUST IF PEL/TLV IS EXCEEDED. USE E.P. ELECTRICAL EQPT.

Protective Gloves:RUBBER, VINYL OR OTHER IMPERVIOUS

Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES

Other Protective Equipment:SAFETY SHOWER AND EYE WASH STATION, WORK CLOTHING TO PROTECT FROM PROLONGED/REPEATED CONTACT.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT.

Supplemental Safety and Health  
NONE

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

HCC:F2

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

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

Vapor Pres:180 MM

Vapor Density:2.0

Spec Gravity:0.7899

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

Solubility in Water:VERY SOLUBLE

Appearance and Odor:COLORLESS LIQUID, WITH A CHARACTE

RISTIC ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

EXPLOSIVE WITH STRONG OXIDIZING AGENTS, DISSOLVES SOME PLASTICS,

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE

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

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL

REGULATIONS. DGSC-SSH SUGGESTS THAT DISPOSAL MAY BE DONE BY  
INCINERATION

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