

FISHER SCIENTIFIC CO CHEMICAL DIV. -- ACETONE -- 6810-00-184-4796

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Product Identification  
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Product ID:ACETONE

MSDS Date:06/04/1991

FSC:6810

NIIN:00-184-4796

MSDS Number: BJJDL

=== 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

Company Name:HOC INDUSTRIES, INC

Address:3511 N. OHIO

Box:2609

City:WICHITA

State:KS

ZIP:67219

Country:US

Phone:316-838-4663

CAGE:0A9L8

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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 =====

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 N  
ARCOTIC 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  
T  
HAT 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 =====

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 I  
F  
NECESSARY. INGESTED:D O 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 =====

Flash Point Method:CC  
Flash Point:=-20.C, -4.F  
-4F,-20C  
Autoignition Temp:=465.C, 869.F  
Lower Limits:2.5  
Upper Limits:13  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL.  
Fire Fi

ighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL 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 MUCH 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\*\*.

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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

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

HCC:F2

Boiling Pt:=56.1C, 133.F

Melt/Freeze Pt:=-95.C, -139.F

Vapor Pres:180 MM

Vapor Density:2.0

Spec Gravity:0.789

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

Solubility in Water:VERY SOLUBLE

Appearance and Odor:CLEAR COLORLESS LIQUID, SWEET,FRAGRANT,MINT-LIKE  
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, C

ARBON 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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