

FISHER SCIENTIFIC, CHEMICAL DIV. -- ACETIC ANHYDRIDE -- 6810-00-063-6992

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Product Identification  
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Product ID:ACETIC ANHYDRIDE

MSDS Date:12/19/1991

FSC:6810

NIIN:00-063-6992

MSDS Number: BMWPF

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7

100/800-424-9300(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

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Composition/Information on Ingredients  
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Ingred Name:ACETIC ANHYDRIDE (SARA III)

CAS:108-24-7

RTECS #:AK1925000

Other REC Limits:NONE SPECIFIED

OSHA PEL:C 5 PPM

ACGIH TLV:C 5 PPM; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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Hazards Identification  
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LD50 LC50 Mixture:LD 50 ORAL RAT IS 1780 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: CORROSIVE. LACRIMATOR. SEVERE EYE BURNS. SKIN SENSITIZER. TOXIC BY INHALATION. MODERATELY TOXIC BY INGESTION. SLIGHTLY TOXIC BY DERMAL ABSORPTION. CHRONIC: MOUTH ULCERATION. POSSIBLE BRONCHIAL AND GASTROINTESTINAL DISTURBANCES.

Ex

planation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES: PAIN, LACRIMATION, BLURRED VISION, INFLAMMATION. POSSIBLE LOSS OF VISION. SKIN: SEVERE BURNS, WHITE WRINKLED SKIN, BLISTERS, DERMATITIS. INHALATION: HARSH COUGH, CHOKING, WHEEZING, CHEST PAINS, PULMONARY EDEMA WHICH MAY BE FATAL. INGESTION: SEVERE BURNS OF MOUTH, ESOPHAGUS, STOMACH WITH PAIN, VOMITING, DIARRHEA.

Medical Cond A

aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF EYES, SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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First Aid Measures  
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First Aid:EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEE DOCTOR IMMEDIATELY. SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH WITH SOAP AND WATER. COVER WITH DRY DRESSING. BANDAGE. SEE DOCTOR IMMEDIATELY. INHALATION: REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN/CP

R IF NEEDED. SEE DOCTOR IMMEDIATELY. INGESTION: DRINK LARGE AMOUNTS OF WATER OR MILK. DO NOT INDUCE VOMITING. SEE DOCTOR IMMEDIATELY.

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Fire Fighting Measures  
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Flash Point Method:CC

Flash Point:129F,54C

Autoignition Temp:Autoignition Temp Text:734F

Lower Limits:2.9

Upper Limits:10.3

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

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED

SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED  
CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:EXPLOSIVE AND CORROSIVE VAPORS. USE WATER  
SPRAY TO DISPERSE VAPORS. DO NOT GET WATER INSIDE CONTAINER. DO NOT  
GET SOLID STREAM OF WATER ON SPILLED MATERIAL.

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

Spill Release Procedures:KEEP COMBUSTIBLES (WOOD,PAPER,OIL,ETC.) AWAY  
FROM SPILL.REMOVE PERSONNEL.ELIMINATE IGNITION SOURCES.VENTILATE  
AREA

.WEAR PROTECTIVE CLOTHING AND SCBA.ABSORB IN INERT CEMENT  
POWDER OR FLY ASH AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND  
COVER.

Neutralizing Agent:CAUSTIC SODA FOR WATER SPILLS.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED  
AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND  
INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.

Other Precautions:INSIDE STORAGE SHOULD BE IN A STAND  
ARD FLAMMABLE

LIQUIDS STORAGE ROOM. AVOID PITS, DEPRESSIONS OR BASEMENT. SEPARATE  
FROM OTHER STORAGE. AVOID EYE AND SKIN CONTACT. DO NOT BREATHE  
VAPORS.

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

Respiratory Protection:NIOSH/MSHA-APPROVED RESPIRATOR WITH ORGANIC  
VAPOR CARTRIDGE OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilation:LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE LEVELS BELOW  
PEL. USE EXPLOSION PROOF EQUIPMENT.

Protective Gloves:PVC G  
LOVES.

Eye Protection:SAFETY GOGGLES AND FACESHIELD.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE  
EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY  
SHOWER.

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

Supplemental Safety and Health  
NONE.

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

HCC:F6

Boiling Pt.=139.C, 282.2F

B.P. Text:282F,139C

Melt/Freeze

Pt:M.P/F.P Text:-100F,-73C

Vapor Pres:10

Vapor Density:3.52

Spec Gravity:1.08

Evaporation Rate & Reference:0.46 (BUTYL ACETATE = 1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS MOBILE LIQUID WITH A VERY SHARP,  
STRONG, PUNGENT VINEGAR ODOR.

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

Stability Indicator/Materials to Avoid:NO

AVOID CONTACT WITH WATER, ACIDS AND OXIDIZING AGENTS, COMBUSTIBLE  
MATERIALS.

Stability Condition to Avoid:AVOID CON

TACT WITH WATER. SLOWLY

HYDROLIZES. ACETIC ACID FORMED MAY CATALYZE A VIOLENT, EXOTHERMIC  
REACTION.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL  
REGULATIONS.

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