

FISHER SCIENTIFIC, CHEMICAL DIV. -- A4651 ACETIC ACID, GLACIAL -- 6810-01-344-1116

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Product Identification  
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Product ID:A4651 ACETIC ACID, GLACIAL

MSDS Date:03/04/1996

FSC:6810

NIIN:01-344-1116

MSDS Number: CDYYZ

=== 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 Ph

one Num:201-796-7100/800-424-9300(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 ACID (CERCLA)

CAS:64-19-7

RTECS #:AF1225000

Fraction by Wt: 97%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 PPM

ACGIH TLV:10 PPM/15 STEL; 9596

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 3310MG/KG.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE:CAUSES SEVERE IRRIT,SEVERE  
BURNS,POSSIBLE IRREVERSIBLE DMG.SKIN:CAUSES SEVERE  
IRRIT,SENSITIZATION,ALLERGIC RX(BECOMES EVIDENCE UPON  
RE-EXPO).INGEST:MAY CAUSE SEVERE/PERM DMG TO GI TRACT,CAUSE SEVE RE

PAIN,NAU,VOMIT,DIARR,SHOCK.INHAL:EFFECTS MAY BE DELAYED.CAUSES RESP  
TRACT IRRIT.CHRONIC:PROL/REP SKIN CONTACT (SUPPL)

Explanation of Carcinogenicity:PER MSDS:ACETIC ACID NOT LISTED BY  
ACGIH,IARC,NIOSH,NTP,OSHA.

Effects of Overexposure:SEVERE EYE IRRIT,SEVERE EYE BURNS,IRREVERSIBLE  
DMG.SEVERE SKIN IRRIT,SENSITIZATION,ALLERGIC RX.SEVERE/PERM DMG TO  
GI TRACT,SEVERE PAIN,NAUSEA,VOMITING,DIARR,SHOCK.RESP TRACT  
IRRIT.DERMATITIS, CHRONIC BRONCHITIS, EROSION OF TEETH.

Medical Con

d Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

TARGET ORGANS:NONE. INCOMPT

CONTD:PCL3,KOH,HAOH,NA2O2,C6H4(CH3)2,DIALLYL METHYL  
CARBINOL+O3,PHOSPHORUS

ISOCYANATE,PERMANGANATES,POTASSIUM-T-BUTYOXIDE.

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First Aid Measures  
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First Aid:EYE:FLUSH W/PLENTY OF WATER FOR @LEAST 15MINS LIFTING  
EYELIDS.GET MED AID IMMED.SKIN:GET MED AID IMMED.IMMED FLUSH  
W/PLENTY OF SOAP/WATER FOR @LEAST 15MINS WHILE REMOVING CONTAM  
CLOTH

/SHOES.INGEGST:DO NT INDUCE VOMIT.CONSC/ALERT GIVE 2-4CUPFULS  
OF MILK/WATER.NEVER GIVE ANYTHING BY MOUTH IF UNCONSC.GET MED AID  
IMMED.INHAL:GET MED AID IMMED.REMOVE TO FRESH AIR IMMED.NOT BREATH  
GIVE ART RESP(SUPPLEME)

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Fire Fighting Measures  
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Flash Point:103F,39C

Autoignition Temp:Autoignition Temp Text:800F

Lower Limits:5.4

Upper Limits:16

Extinguishing Media:SM:USE DRY CHEMICAL,CARBON DIOXIDE,WATER SPRAY OR  
ALCHOL-=RESISTANT FOAM.

Fire Fighting Procedures:WEAR APPROP PORT CLOTH-PREVENT EYE/SKIN CONTACT.WEAR SCBA-PREVENT CONTACT W/THERM DECOMPO PRODS.  
Unusual Fire/Explosion Hazard:RXS W/MOST METALS TO FORM HIGHLY FLAMM H2 GAS WHICH CAN FORM EXPLO MIX W/AIR.

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

Spill Release Procedures:ABSORB W/INERT MATL(DRY SAND,EARTH).PLACE INTO CHEM WASTE CNTNR.USE WATER SPRAY TO DILUTE SPILL TO NON-FLAMM MIXTURE.AVOID RUNOFF INTO STORM SEWERS/DITCHES WHICH LEAD TO WATERWAYS.REMOVE ALL SOURCES OF IGNITION.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE W/ADEQ VENTI.EMPTY CNTNRS RETAIN PROD RESIDUE(LI/VAP)-DANGEROUS.DONT PRESS/CUT/WELD/BRAZE/SOLDER/DRILL/GRIND/EXPO EMPTY CNTNRS TO HEAT/SPARK/OPNFM

Other Precautions:DANGER!FLAMM LIQ.CORROSIVE.CAUSES SEVERE EYE/SKIN/RGI/RES TRACTS BURNS.AVOID HEAT/SPARK/FLAME CONTACT.DONT GET ON SKIN/EYE.AVOID INHAL/INGEST.KEEP AWAY FROM HEAT/SPARK/FLAME.STORE IN COOL DRY WELL VENTI AREA AWAY FROM INCOMP SUBS.STORE(SUP)

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

Respiratory Protection:FOLLOW OSHA RESP REGS FOUND IN 29CFR 1019.134.ALWAYS USE NIOSH-APPROVED RESP WHEN NECESSARY.  
Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAU VENTI TO KEEP AIRBORNE CONCEN BELOW PERMISSIBLE EXPO LIMITS.  
Protective Gloves:APPROPRIATE GLOVES-PREVENT SKIN EXPO  
Eye Protection:PROT EYEGLAS,CHEM SAF GOG-29CFR1910.133  
Other Protective Equipment:WEAR APPROPRIATE PROT CLOTHING TO PREVENT SKIN EXPO.  
Work Hygienic Practices:WASH THOROUGHLY AFT HNDLG.REMOVE CONTAM CLOTH;WASH BEF REUSE.  
Supplemental Safety and Health  
PH:2.4(1M),2.9(0.1M). HEALTH:MAY CAUSE DERM.REP INHAL MAY CAUSE CHRONIC BRONCHITIS.REP EXPO MAY CAUSE EROSION OF TEETH. 1ST AID:DIFFI BREATH GIVE OXY.NOTE TO DR:TREAT SYMPT/SUPPORT.NO SPEC ANTIDOTE EXIST. OTHER PRECAUT

:IN SUITABLE CNTNR INDTRY AREA >SUBST FREEZ PT.

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Physical/Chemical Properties  
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HCC:F6

Boiling Pt:B.P. Text:244F,118C

Melt/Freeze Pt:M.P/F.P Text:622F,328C

Decomp Temp:Decomp Text:N/AVAI

Vapor Pres:11.4MM

Vapor Density:2.10

Spec Gravity:1.05

pH:SUPPPL

Viscosity:1.22CP

Evaporation Rate & Reference:0.97 (NBUTYL ACETATE=1)

Solubility in Water:SOL,RELEASE HEAT/VAP

Appearance and Odor:LIQUID,COLORLESS LIQUID, PUNGENT (VINEGAR) ODOR

Percent Volatiles by Volume

:NP

Corrosion Rate:NP

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

CH3CHO,HOCH2,CH2NH2,NH4NO3,BRF5,CLF3,CLSO2OH,CLSO2OH,CRO3,CRO3+(CH3CO)2  
O,CH2CH2NH,H2O2,HNO3,HHO3+CH3COCH3,HCLO4(MED CON)

Stability Condition to Avoid:INCOMPATIBLE MATLS,IGNITION SOURCES,EXCESS  
HEAT.

Hazardous Decomposition Products:CARBON MONOXIDE,CARBON DIOXIDE.

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Disposal Considerations  
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Waste Disposal Methods

:SUBST SPREADS ON SOIL SURFACE,PENETRATES @RATE

DEPENDENT ON SOIL TYP/WATER CONTENT.READILY DEGRADES IN WATER,SHOWS  
LITTLE POT FOR BIOACCUMULATION.DISPO OF IN MANNER COSISTENT  
W/FED/STATE/LOC REGS.NOT RCRA CHEM.NOT LISTED AS MATL BANNED  
FRMLAND DISPF

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