

FISHER SCIENTIFIC,CHEM DIV.(FOR ACROS ORGANICS) -- A195500 OLEIC ACID --
6810-01-448-7127

===== Product Identification =====

Product ID:A195500 OLEIC ACID

MSDS Date:03/03/1996

FSC:6810

NIIN:01-448-7127

MSDS Number: CFMWS

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC,CHEM DIV.(FOR ACROS ORGANICS)

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-79

6-7100 OR 201-796-7523

Emergency Phone 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

===== Composition/Information on Ingredients =====

Ingred Name:OLEIC ACID

CAS:112-80-1

RTECS #:RG2275000

Fraction by Wt: 98%

Other REC Limits:NONE RECOMMENDED

===== Hazards Identi

fication =====

LD50 LC50 Mixture:ORAL, RAT LD5074MG/KG.

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE:NO INFO REGARDING EYE IRRIT

POTENTIAL WAS FOUND.CONTACT MAY CAUSE TRANSIENT IRRIT.SKIN:MAY
CAUSE IRRIT.INGEST:LOW HAZ FOR USUAL INDUSTRIAL HNDLG.INHAL:LOW HAZ
FOR USUAL INDUSTRIAL HNDLG.CHRONIC:NO INFORMATION FOUND.

Explanation of Carcinogenicity:PER MSDS:CARCINOGENCIT

Y:NOT LISTED BY

ACGIH,IARC,NIOSH,NTP,OSHA.

Effects of Overexposure:TRANSIENT EYE IRRIT. SKIN IRRIT.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

TARGET ORGANS:NONE.

===== First Aid Measures =====

First Aid:EYE:FLUSH W/PLENTY OF WATER FOR @LEAST 15MINS OCCASIONALLY
LIFT EYELIDS.IRRIT DVLPS GET MED AID.SKIN:IMMED LFUSH W/PLENTY OF
SOAP/WATER FOR @LEASAT 15MINS WHILE REMOVING CONTAM
CLOTH/SHOES.IRRIT DVLPS /PERSIST G

ET MED AID.INGEST:CONSC/ALERTGIVE

2-4CUPS OF MILK/WATER.GET MED AID.INHAL:REMOVE FRM EXPO TO FRESH
AIR IMMED.NOT BREATH GIVE ART RESP;DIFFI GIVE OXY.COUGH/OTHER SYMPT
APPEAR GET MED(SUPPL)

===== Fire Fighting Measures =====

Flash Point:365F,185C

Autoignition Temp:Autoignition Temp Text:362.8C

Lower Limits:N/AVAILABLE

Upper Limits:N/AVAILABLE

Extinguishing Media:USE FOAM,DRY CHEMICAL,CARBON DIOXIDE.

Fire Fighting Procedures:AS IN ANY FIRE WEAR SELF-
CONTAINED BREATHING

APPARATUS IN PRESSURE-DEMAND MSHA/NIOSH(APPROVED OR EQUIVALENT) &
FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTIVE EQPMT AS
INDICATED IN MSDS.WEAR SELF-CONTAINED BREATHING APPARATUS &
APPROPRIATE PERSONAL PROTECTION.REMOVE ALL SOURCES OF
IGNITION.ABSORB SPILL USING ABSORBENT NON-COMB UST MATL SUCH

AS
EARTH,SAND,VERMICULITE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:CAUTION!MAY CAUSE SKIN IRRIT.USE
W/ADEQUATE VENTI.KEEP CNTNR TIGHTLY CLOSED.AVOID CONTACT W/AIR &
SUNLIGHT.

Other Precautions:STORE IN TIGHTLY CLOSED CNTNR.STORE IN COOL DRY
WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE SUBSTANCES.ABSORBS
OXYGEN FROM AIR & WILL DARKEN UPON EXPOSURE.

===== E
xposure Controls/Personal Protection =====

Respiratory Protection:FOLLOW OSHA RESPIRATOR REGULATIONS FOUND IN
29CFR1910.134.ALWAYS USE NIOSH-APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP
AIRBORNE CONCEN BELOW PERMISSIBLE EXPOSURE LIMITS.

Protective Gloves:NEOPRENE GLOVES

Eye Protection:EYEGLOSS,CHEM SAF GOGG IAW 29CFR1910.133

Other Protective Equipment:NEOPRENE APRON &/OR CLOTHING.WEAR
APPROPRATE PROTECTIVE CLOTHI
NG TO PREVENT SKIN EXPOSURE.

Work Hygienic Practices:WASH THOROUGHLY AFT HNDLG.REMOVE CONTAM
CLOTH;WASH BEF REUSE.

Supplemental Safety and Health

1ST AID:AID.NOTE TO DR:TREAT SYMPTOMATICALLY/SUPPORTIVELY.NO SPEC
ANTIDOTE EXISTS.

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

HCC:C3

Boiling Pt:B.P. Text:547F,286C

Melt/Freeze Pt:M.P/F.P Text:61.4F,16.3C

Decomp Temp:Decomp Text:680F,360C

Vapor Pres:1 @177C

Vapor Density:9.7

Spec Gravity:0.895

pH:N/AVAI

Viscosity:N/AVA

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Evaporation Rate & Reference: NEGLIGIBLE

Solubility in Water: INSOLUBLE

Appearance and Odor: COLORLESS TO PALE RED LIQUID, CHARACTERISTIC RACID, FATTY ACID-LIKE

Percent Volatiles by Volume: NP

Corrosion Rate: NP

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

Stability Indicator/Materials to Avoid: YES

OXIDIZING AGENTS.

Stability Condition to Avoid: HIGH TEMPERATURES, EXPOSURE TO AIR.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE.

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Disposal Considerations =====

Waste Disposal Methods: CHEM HAS LOW BIOLOGICAL OXY DEMAND & ITS EXPECTED TO CAUSE LITTLE OXYGEN DEPLETION IN AQUATIC SYSTEMS. DISPO OF IN MANNER CONSISTENT W/FED/STATE/LOC REGS.

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