

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:201-796-7

100 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 Identific

ation =====

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:CARCINOGENICITY:N

OT 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 GET

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-CON

TAINED 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.

=====
===== Expo
sure 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 CLOTHING
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/AVAI

E

vaporation 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.

===== D

Disposal Considerations =====

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

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and

disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.