

OCCIDENTAL CHEMICAL CORPORATION -- FLUOROLUBE OIL- ALL GRADES -- 9150-00-698-3821
===== Product Identification =====

Product ID:FLUOROLUBE OIL- ALL GRADES
MSDS Date:05/06/1996
FSC:9150
NIIN:00-698-3821
Status Code:A
MSDS Number: CJDQM
=== Responsible Party ===
Company Name:OCCIDENTAL CHEMICAL CORPORATION
Address:CUSTOMER SERVICE, OCCIDENTAL TOWER
Box:809050
City:DALLAS
State:TX
ZIP:75380
Country:
US
Info Phone Num:214-404-3523/716-286-3081
Emergency Phone Num:800-733-3665/716-278-7021
Resp. Party Other MSDS Num.:M35460
CAGE:0AH54
=== Contractor Identification ===
Company Name:OCCIDENTAL CHEMICAL CORPORATION
Address:5005 LYNDON B JOHNSON FWY
Box:City:DALLAS
State:TX
ZIP:75244-6198
Country:US
Phone:800-752-5151/972-404-3800
CAGE:0AH54

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

Ingred Name:CHLOROTRIFLUOROETHYLENE TELOMER/POLYMER
CAS:9002-83-9
RTECS #:KM6555000
=

Wt:100.

Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS >10,000 MG/KG.

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

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

Health Hazards Acute and Chronic:TARGET ORGANS: EYES. IRRITANCY: EYES.

SHORT TERM EXPOSURE: EYES-MAY BE IRRITATING.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:MILD EYES IRRITATION

Medical Cond Aggravated by

Exposure:NONE KNOWN.

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

First Aid:EYES-IMMEDIATELY FLUSH EYES WITH A DIRECT STREAM OF WATER FOR 15 MIN, FORCIBLY HOLDING EYELIDS APART TO ENSURE COMPLETE IRRIGATION OF ALL EYE AND LID TISSUE. IF IRRITATION PERSISTS GET MEDICAL ATTENTI ON. SKIN-WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. INHALATION-IF SYMPTOMS DEVELOP, REMOVE TO FRESH AIR. INGESTION-NO EFFECTS EXPECTED. IF LARGE AMOUNTS ARE INGESTED, G

ET

MEDICAL ATTENTION. N OTE TO PHYSICIAN: TREAT FOR CLINICAL SYMPTOMS.

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

Flash Point:NONE

Extinguishing Media:USE AGENT APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:KEEP UNAUTHORIZED PERSONNEL REMOVED AND UPWIND. WEAR NIOSH/MSHA APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:FLUOROLUBES DECOMPOSE AND DEPOLYMERIZE ABOVE 500F.

DECOMPOSITION PRODUCTS MAY BE TOXIC AND HAZARDOUS.

AVOID FRICTION OR GALLING IN CONTACT WITH ALUMINUM OR MAGNESIUM PARTS. FRICTION OR GALLING CAN CAU SE LOCALIZED AREAS OF INSTANTENEOUSLY HIGH PRESSURE AND TEMPERATURE WHICH MAY RESULT IN LOCALIZED DETONATION.

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

Spill Release Procedures:CONTAIN SPILL WITH DIKE TO PREVENT ENTRY INTO SEWERS OR WATERWAYS. FOR SMALL SPILLS, SOAK UP WITH ABSORBENT MATERIAL AND

PLACE IN PROPERLY LABELED CONTAINER FOR DISPOSAL.
LARGE SPILLS SHOULD BE REMOVE D BY VACUUM TRUCK.
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:DO NOT REUSE CONTAINERS. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. WEAR PERSONAL PROTECTIVE EQUIPMENT. DO NOT ALLOW CONTACT WITH INCOMPATIBLE MATERIALS. KEEP CONTAINERS TIGHTLY CLOSED AND PR OPERLY LABELED.

Other Precautions:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. DO NOT REUSE CONTAINER. PRODUCT RESIDUES MAY REMAIN IN THIS CONTAINER. ALL LABELED PRECAUTIONS MUST BE OBSERVED. KEEP OUT OF REACH OF CHIL DREN.

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

Respiratory Protection:RESPIRATORY PROTECTION IS NOT REQUIRED UNDER NORMAL USE. WEAR A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, WHERE AIRBORNE CONTAMINANTS MAY OCCUR..NO SPECIAL RESP

IRATORY P ROTECTION IS NORMALLY REQUIRED.

HOWEVER, IF OVERHEATED, USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.

Ventilation:NO SPECIAL VENTILATION REQUIRED UNDER NORMAL USE.

Protective Gloves:WEAR CHEMICAL RESISTANT GLOVES SUCH AS RUBBER NEOPRENE OR VINYL.

Eye Protection:WEAR SAFETY GLASSES WITH SIDE SHIELDS OR CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:NONE KNOWN.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:-90F TO 65F

Decomp Temp:>260.C, 500.F

Vapor Pres:0.07-2.2

Volatile Org Content %:100

Spec Gravity:1.87 @ 100F

Solubility in Water:INSOLUBLE

Appearance and Odor:TRANSLUCENT OIL.

Percent Volatiles by Volume:0

===== Stability and Reactivi

ty Data =====

Stability Indicator/Materials to Avoid: YES

SODIUM, POTASSIUM, AMINES, LIQUID FLUORINE, LIQUID CHLORINE TRIFLUORIDE

Stability Condition to Avoid: LUBRICATING ALUMINUM OR MAGNESIUM PARTS,
EXCESSIVE HEAT (ABOVE 500F)

Hazardous Decomposition Products: HYDROGEN FLUORIDE, HYDROGEN CHLORIDE,
CHLOROTRIFLUOROETHYLENE AND OTHER TOXIC ORGANIC FLUORINE COMPOUNDS

Conditions to Avoid Polymerization: EXCESSIVE HEAT (ABOVE 500F)

===== Toxicological Information ==

Toxicological Information: 9002-83-9 ETHENE, CHLOROTRIFLUORO-,
HOMOPOLYMER; ACUTE ORAL LD50: (RAT) >10 G/KG. ACUTE DERMAL LD50:
(RABBIT) >5 G/KG. PRIMARY SKIN IRRITATION: (RABBIT) MILD. PRIMARY
EYE IRRITATION: (RABBIT) MILD. PURE MATERIAL IS RELATIVELY
NON-TOXIC. MATERIAL IN SERVICE MAY BECOME CONTAMINATED WITH TOXIC
FOREIGN SUBSTANCES.

===== Ecological Information =====

Ecological: THERE IS NO AVAILABLE DATA ON THE ENVIRONMENTAL FATE AND
POTENTIAL EFFECTS OF THIS PRODUCT. DUE CAUTION SHOULD BE EXERCISED
TO PREVENT THE RELEASE OF THIS MATERIAL TO THE ENVIRONMENT.

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

Waste Disposal Methods: DISPOSE OF SPILLED OR WASTE PRODUCT AND OTHER
CONTAMINATED MATERIAL IN A LICENSED LANDFILL, OR AS APPROPRIATE,
BURN IN A LICENSED INCINERATOR DESIGNED TO HANDLE HYDROGEN CHLORIDE
AS A PRODUCT OF COMBUSTION IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information: DOT INFORMATION: NOT REGULATED.

===== Regulatory Information =====

SARA Title III Information: NO

Federal Regulatory Information: THIS PRODUCT IS NOT AN OSHA HAZARDOUS
MATERIAL AS DEFINED IN 29 CFR 1910.1200.

===== Other Information =====

Disclaimer (provided with this information by the compiling agency)

es):
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.