

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

Product ID:FLUOROLUBE OIL- ALL GRADES

MSDS Date:01/03/1989

FSC:9150

NIIN:00-035-5985

MSDS Number: BVTVK

=== 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:800-733-3665/71

6-278-7021

CAGE:0AH54

=== Contractor Identification ===

Company Name:OCCIDENTAL CHEMICAL CORP (OXYCHEM)SHORT ABBREVIAT

Address:360 RAINBOW BLDVD SOUTH

Box:728

City:NIAGARA FALLS

State:NY

ZIP:14302

Country:US

Phone:1-800-733-3665

CAGE:91784

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

Contract Num:SPO450-99-M-C901

CAGE:0AH54

===== Composition/Information on Ingredients =

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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. ACUTE-  
ORAL:PRACTICALLY NON-TOXIC. EYES:MAY CAUSE MILD IRRITATION.

SKIN/INHALATION:NO EFFECTS EXPECTED. CHRONIC- UNKNOWN.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:MILD EYES IRRITATION

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:REMOVE BY  
WIPING/WATERLESS HAND CLEANER FOLLOWED BY WASHING SKIN WITH SOAP &  
WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN.  
INHALED:REMO VE TO FRESH AIR & PROVIDE OXYGEN/CPR IFNEEDED. ORAL:DO  
NOT INDUCE  
VOMITING. IF CONSCIOUS, DRINK SEVERAL GLASSES OF  
WATER/MILK. SEEK MEDICAL HELP IMMEDIATELY. IF VOMITING OCCURS, KEEP  
HEAD BELOW HIPS.

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

Flash Point Method:TCC  
Flash Point:=54.4C, 130.F  
(TCC)  
Autoignition Temp:=-17.2C, 1.F  
Lower Limits:6.0  
Upper Limits:1.0  
Extinguishing Media:FOAM CO2 , OR DRY CHEMICAL  
Fire Fighting Procedures:DO NO USE WATER  
Unusual Fire/Explosion Hazard:DRUMS HEATED BY FIRE CAN EXPLODE

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=== Accidental Release Measures =====

Spill Release Procedures:DIKE AND CONTAIN SPILL. DO NOT ALLOW MATERIAL TO ENTER DRAINS, SEWERS OR WATERWAYS. RECOVER MATERIAL IF POSSIBLE. WIPE UP SPILL OR ABSORB WITH INERT MATERIAL AND PLACE INTO PROPER CONTAINERS FOR RECLAMATION OR DISPOSAL.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE AWAY FROM EXCESSIVE HEAT (>500F) & INCOMPAT

IBLE MATERIALS. KEEP CONTAINERS TIGHTLY CLOSED. AVOID FRICTION WITH ALUMINUM OR MAGNESIUM PARTS.

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 CHILDREN.

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

Respiratory Protection:USE IN WELL VENTILATED AREA

Ventilation:PROVIDE LOCAL EXHAUST TO KEEP TLV OF SECTION 2 INGREDIENTS BELOW ACCEPTABLE LIMIT

Protective Gloves:SOLVENT PROOF

Eye Protection:SAFETY GLASSES

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:T6

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:Decomp Tex

t:>500F,>260C

Vapor Pres:0.07-2.2

Spec Gravity:1.87 @ 100F

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR, COLORLESS OIL

===== Stability and Reactivity 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, CHLOROTR

# IFLUOROETHYLENE AND OTHER TOXIC ORGANIC FLUORINE COMPOUNDS

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

## ===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF WASTE IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. INCINERATE IN EQUIPMENT DESIGNED TO HANDLE HYDROGEN CHLORIDE AND HYDROGEN FLUORIDE AS PRODUCT OF COMBU STION OR SUBMIT TO AN APPROVED DISPOSALFACILITY.

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