

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

Product ID:HALOCARBON 6.3 OIL

MSDS Date:10/04/1994

FSC:9150

NIIN:00-035-5985

MSDS Number: CBRVF

=== Responsible Party ===

Company Name:HALOCARBON PRODUCT CORPORATION

Box:661

City:RIVER EDGE

State:NJ

ZIP:07661

Country:US

Info Phone Num:201-262-8899

Emergency Phone Num:803-278-3504

Preparer's Name:DR. ARTHUR J ELLIOTT

CAGE:07644

=== Contractor Identificati

on ===

Company Name:HALOCARBON PRODUCTS CORPORATION

Address:887 KINDERKAMACK RD

Box:City:RIVER EDGE

State:NJ

ZIP:07661

Country:US

Phone:201-262-8899

CAGE:07644

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

Ingred Name:CHLOROTRIFLUOROETHYLENE TELOMER

CAS:9002-83-9

RTECS #:KM6555000

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:

YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:HALOCARBON OIL NOT IRRITATING TO SKIN.  
ACUTE EFFECTS OF OVEREXPOSURE:FROM ANIMAL STUDIES SIGNS OF FLUORIDE  
POISONING MAY BE EXPECTED. THESE INCLUDE NAUSEA, SHORTNESS OF  
BREATH & LOSS OF APPETITE. CHRONIC EFFECTS OF OVEREXPOSURE:UNKNOWN.  
Explanation of Carcinogenicity:PER MSDS:CARCINOGENICITY  
LISTING:NTP/IARC/OSHA/OTHER:NO.  
Effects of Overexposure:ACUTE:FROM ANIMAL STUDIES SIGNS OF  
FLUORIDE  
POISONING MAY BE EXPECTED. THESE INCLUDE NAUSEA, SHORTNESS OF  
BREATH & LOSS OF APPETITE. CHRONIC:UNKNOWN.  
Medical Condition Aggravated by Exposure:NONE KNOWN.

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

First Aid:INHAL:REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NEEDED.  
SEEK MEDICAL HELP. SKIN:WASH WITH SOAP/WATER. EYE:FLUSH EYE IMMEDIATELY WITH WATER  
FOR @LEAST 15MINS. SEEK MEDICAL HELP. ORAL:TRY TO INDUCE VOMITING. SEEK  
MEDICAL HELP.

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

Flash Point:NONE  
Autoignition Temp:Autoignition Temp Text:N/D  
Lower Limits:NA  
Upper Limits:NA  
Extinguishing Media:USE AGENT APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA)  
IF THERE IS DANGER OF LEAKAGE.  
Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION PRODUCTS ARE ACIDIC  
& TOXIC.

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

Spill Release Procedures:SPILLS MAY BE  
PICKED UP WITH ABSORBENT SUCH AS  
VERMICULITE & HELD IN COVERED CONTAINER FOR DISPOSAL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.  
Other Precautions:SIMPLE SKIN PROTECTION SHOULD BE USED TO PREVENT  
REPEATED EXPOSURE & POSSIBILITY OF SENSITIZATION.SINCE POTENTIAL FOR  
HUMAN TOXICITY CANNOT BE RULED OUT PROPER VENTILATION & WORK  
PRACTICES SHOULD BE EMPLOYED

PLOYE D.

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

Respiratory Protection:NONE NORMALLY REQUIRED. FOR LARGE SPILLS WEAR  
SELF-CONTAINED BREATHING APPARATUS (SCBA).  
Ventilation:ADEQUATE GENERAL VENTILATION PLUS LOCAL EXHAUST @POINTS OF  
EMISSION.  
Protective Gloves:IMPERVIOUS GLOVES.  
Eye Protection:SAFETY GLASSES/GOGGLES OR FACE SHIELD.  
Other Protective Equipment:NONE NORMALLY REQUIRED.  
Work Hygienic Practices:PROPER WORK PRACTICES SHOULD BE EMPLOYED.  
Supplemental  
Safety and Health  
INCOMP MATL:AMINES,LIQ FLUORINE,LIQ CHLORINE TRIFLUORIDE.

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

HCC:V6  
Boiling Pt:B.P. Text:>500F,>260C  
Melt/Freeze Pt:M.P/F.P Text:NA  
Decomp Temp:Decomp Text:>500F,>260C  
Vapor Pres:0.1 @70F  
Vapor Density:N/DETERMIN  
Spec Gravity:1.7 @100F  
pH:NP  
Viscosity:NP  
Evaporation Rate & Reference:NP  
Solubility in Water:NEGLIGIBLE.  
Appearance and Odor:COLORLESS LIQUID W/SLIGHT ETHEREAL ODOR.  
Percent Volatiles by Volume:N  
P  
Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES  
ALUMINUM THREADED CONNECTIONS WHERE GALLING/SEIZURE MAY INITIATE  
RX.REACTS W/METALS LIKE SODIUM & POTASSIUM, (SUPPLEMEN)  
Hazardous Decomposition Products:DECOMPOSES ABOVE 260C TO TOXIC  
COMPOUNDS.

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

Waste Disposal Methods:MAY BE INCINERATED BY LICENSED WASTE DISPOSAL  
COMPANY. OBSERVE ALL

LOCAL, STATE AND FEDERAL REGULATIONS.

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