

HALOCARBON PRODUCTS CORPORATION -- HALOCARBON TYPE III OIL -- 9150-01-101-8835  
===== Product Identification =====

Product ID:HALOCARBON TYPE III OIL

MSDS Date:02/25/1993

FSC:9150

NIIN:01-101-8835

Status Code:A

MSDS Number: CLSDD

=== Responsible Party ===

Company Name:HALOCARBON PRODUCTS CORPORATION

Box:661

City:RIVER EDGE

State:NJ

ZIP:07661

Country:US

Info Phone Num:201-262-8899

Emergency Phone N

um:803-278-3504

Preparer's Name:DR. ARTHUR J. ELLIOTT

Chemtec Ind/Phone:(800)424-9300

CAGE:UO752

=== Contractor Identification ===

Company Name:HALOCARBON PRODUCTS CORPORATION

Address:887 KINDERKAMACK RD

Box:City:RIVER EDGE

State:NJ

ZIP:07661

Country:US

Phone:201-262-8899

Contract Num:SP0450-02-M-L406

CAGE:07644

Company Name:HALOCARBON PRODUCTS CORPORATION

Address:Box:661

City:RIVER EDGE

State:NJ

ZIP:07661

Country:US

Phone:201-262-8899

CAGE:UO752

===== Composition/Information on Ingre

dients =====

Ingred Name:POLYCHLOROTRIFLUOROETHYLENE

CAS:9002-83-9

RTECS #:KM6555000

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Effects of Overexposure:NAUSEA, SHORTNESS OF BREATH AND LOSS OF  
APPETITE.  
Medical Cond Aggravated by Exposure:NONE KNOWN

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

First Aid:INHALATION: REMOVE  
TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION  
IF NECESSARY. EYE: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES.  
SKIN: WASH WITH SOAP AND WATER. ORAL: INDUCE VOMITING. SEEK MEDICAL  
ATTEN TION.

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

Flash Point:NONE  
Autoignition Temp:Autoignition Temp Text:NOT DE  
Extinguishing Media:NON-FLAMMABLE. USE AGENT SUITABLE FOR SURROUNDINGS.  
Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS IF  
THERE IS DANGER OF L  
EAKAGE IN FIRE.  
Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION PRODUCTS ARE TOXIC  
AND CORROSIVE.

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

Spill Release Procedures:SPILLS MAY BE PICKED UP WITH AN ABSORBENT SUCH  
AS VERMICULITE.

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

Other Precautions:SINCE THE POTENTIAL FOR HUMAN TOXICITY CANNOT BE  
RULED OUT PROPER VENTILATION AND WORK PRACTICES SHOULD BE EMPLOYED.

===== Exposur

e Controls/Personal Protection =====

Ventilation:GENERAL ROOM VENTILATION PLUS LOCAL EXHAUST AT POINT OF EMISSION.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:SAFETY GLASSES OR FACE SHIELD

Other Protective Equipment:NONE NORMALLY REQUIRED.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:>200.C, 392.F

B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:NOT DETERMINED

Vapor Pres:NOT DETERMINED

Vapor Density:

NOT DETERM

Spec Gravity:CA 2 (H2O=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS WITH FAINT ODOR

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

Stability Indicator/Materials to Avoid:YES

ALUMINUM THREADED CONNECTIONS WHERE GAILING AND SEIZURE MAY INITIATE REACTION. REACTS WITH AMINES AND ACTIVE METALS SUCH AS SODIUM AND POTASSIUM.

Hazardous Decomposition Products:DECOMPOSES ABOVE 200 C TO ACIDIC, TOXIC COMPOUNDS.

Conditions to Avoid Polymerizat  
ion:WILL NOT OCCUR

===== Toxicological Information =====

Toxicological Information:THIS PRODUCT CONTAINS A COMPLEX MIXTURE OF LOW POLYMERS OF CHLOROTHRIFLUOROETHYLENE (CTF) WHOSE COMPOSITION MAY VARY FROM BATCH TO BATCH. BASED ON ALL THE AVAILABLE TOXICITY DATA ON A 3.1 ?? (100 F) C TFE OIL IN THREE SPECIES OF ANIMALS, CHLOROTRIFLUOROETHYLENE OILS SHOULD NOT BE HARMFUL TO ANY PORTION OF THE HUMAN ANATOMY. STUDIES HAVE DEMOSTRATED LIVER TOXICITY

IN

RODENTS BUT NOT IN PRIMATES. THE OBSERVED LIVER TOXICITY IS BELIEVED TO BE SPECIFIC FOR RODENTS AND NOT RELEVANT TO HUMANS. ALL MUTAGENIC STUDIES WERE NEGATIVE.

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

Waste Disposal Methods:MAY BE INCINERATED BY LICENSED WASTE DISPOSAL COMPANY. OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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

Transport Information:DOT INFORMATION-PROPER SHIPPING NAME: N/A.

(DOMESTIC ONLY) HAZARD CLASS: NON-HAZARDOUS UN/NA NUMBER: OTHER INFORMATION: HMIS LABELING INFORMATION: H 1; F 0; R 0, P B.

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

Federal Regulatory Information:OSHA HAZARD RATING: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL(S) SUBJECT TO SECTION 313 TITLE III REPORTING REQUIREMENTS (40 CFR PART 372). NONE.

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===== Disclaimer (

provided with this information by the compiling agencies):

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