

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 Nu

m: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 Ingred

ients =====

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 T

O 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 LE

AKAGE 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.

===== Exposure

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:N

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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 Polymerization: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 I

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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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