

HALOCARBON PRODUCTS CORPORATIO -- HALOCARBON 27S OIL

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MSDS Safety Information
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FSC: 9150
NIIN: 01-101-8835
MSDS Date: 10/02/1997
MSDS Num: CKVZB
Product ID: HALOCARBON 27S OIL
MFN: 01
Responsible Party
Cage: 07644
Name: HALOCARBON PRODUCTS CORPORATION
Address: 887 KINDERKAMACK RD
Box: 661
City: R
IVER EDGE NJ 07661
Info Phone Number: 201-262-8899
Emergency Phone Number: 803-278-3504
Preparer's Name: DR. LEA G. SPRAGUE
Proprietary Ind: Y
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 07644
Name: HALOCARBON PRODUCTS CORPORATION
Address: 887 KINDERKAMACK RD
City: RIVER EDGE NJ 07661
Phone: 201-262-8899

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Item Description
Information
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Item Manager: S9G
Item Name: LUBRICATING FLUID,OXIDIZING GAS SYSTEMS
Specification Number: DOD-L-24574(SH)
Type/Grade/Class: TYPE II
Unit of Issue: QT
UI Container Qty: 1
Type of Container: PLASTIC BOTTL

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data

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Skin: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: ACUTE EFFECTS OF OVEREXPOSURE: FROM THE ANIMAL STUDIES, SIGNS OF FLUORIDE POISONING MAY BE EXPECTED. THESE INCLUDE NAUSEA, SHORTNESS OF BREATH & LOSS OF APPETITE. CHRONIC EFFECTS OF OVEREXPOSURE: UNKN OWN.

Medical Cond Aggravated By Exposure: NONE KNOWN.

First Aid: INHALATION: N/A. EYE: FLUSH EYES WITH WATER FOR AT LEAST 1 5 MINUTES.

SKIN: WASH WITH SOAP AND WATER. NO SKIN EFFECTS EXPECTED. ORAL: DILUTE BY DRINKING LARGE QUANTITIES OF WATER. IF VOIMITING OCCURS A DMINISTER MORE WATER.

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Handling and Disposal

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Spill Release Procedures: SPILL, LEAK, OR RELEASE: SPILLS MAY BE PICKED UP WITH AN ABSORBENT SUCH AS VERMICULITE.

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

OBSERVE ALL FEDERA, STATE AND LOCAL REGULATIONS.

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Fire and Explosion Hazard Information

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Flash Point Text: NONE

Autoignition Temp Text: N/D

Extinguishing Media: USE AGENT SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS IF THERE IS A DANGER OF LEAKAGE.

Unusual Fire/Explosion Hazard: THERMAL DECOMPOSITION PRODUCTS ARE TOXIC AND CORROS IVE.

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Control Measures

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

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: SAFETY GLASSES AND FACE SHIELD.

Other Protective Equipment: NONE

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Physical/Chemical Properties

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HCC: N1

B.P. Text: >260C

Vap

or Pres: LESS THAN 0.1 MM HG
Spec Gravity: CALCULATED 2
Appearance and Odor: COLORLESS OIL.

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Reactivity Data
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Stability Indicator: YES

Materials To Avoid: ALUMINUM THREADED CONNECTIONS WHERE GALLING AND SEIZURE MAY INITIATE REACTION. REACTS WITH METALS LIKE SODIUM AND POTASSIUM, AMINES, LIQUID FLUORINE AND LIQUID CHLORINE TRIFLUORIDE.

Hazardous Decomposition Products: THIS DECOMPOSITION TO TOXIC, NON-SLUDGE

FORMING VOLATILES OCCURS RAPIDLY AT 325C, NOTICEABLY AT 300 C & IN TEMPERATURE RECOMMENDED IS 200C & MAX SHORT-TERM TEMPERATURE RECOMMENDED 260C IN CLEAN SYSTEM.

Hazardous Polymerization Indicator: NO

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Toxicological Information
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Toxicological Information: THIS OIL CAUSED NO DEATHS IN RATS DOSED DAILY FOR 21 DAYS WITH 2.5 G/KG ORALLY. SYMPTOMS ATTRIBUTED TO FLUORIDE POISONING BY

METABOLISM IN THE LIVER WERE NOTED. ENLARGEMENT OF THE LIVERS & KIDNEYS IN THE TREATED ANIMAL SUPPORT THIS CONCLUSION. EXTENSIVE STUDIES HAVE BEEN CONDUCTED ON LIGHTER, MORE VOLATILE HALOCARBON OILS. BASED ON ALL THE AVAILABLE DATA IN THREE SPECIES OF ANIMALS, LIMITED EXPOSURE TO HALOCARBON OIL SHOULD NOT BE HARMFUL TO ANY PORTION OF THE HUMAN ANATOMY.

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Ecological Information
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MSDS Transport Information
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Transport Information: HAZARDOUS MATERIALS/DANGEROUS GOODS SHIPPING REGULATIONS. U.S. (49 CFR): PROPER SHIPPING NAME: NON-HAZARDOUS MATERIALS. IATA: PROPER SHIPPING NAME: NONDANGEROUS GOODS. IMDG: PROPER SHIPPING NAME: NON- DANGEROUS GOODS. OTHER INFORMATION: LABELING: H=1, F=0, R=0, P=B.

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Regulatory Information
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Sara Title III Information: 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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Other Information
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Other Information: TOXICOLOGICAL: STUDIES CONDUCTED BY THE AIR FORCE HAVE DEMONSTRATED LIVER TOXICITY IN RODENTS BUT NOT IN PRIMATES. THE OBSERVED LIVER TOXICITY IS BELIEVED TO BE SPECIFIC FOR RODENTS & NOT RELEVANT TO HUMANS. HALOCARBON OIL IS NOT IRRITATING TO SKIN BUT SIMPLE SKIN PROTECTION SHOULD BE USED TO PREVENT REPEATED EXPOSURE & POSSIBILITY OF SENSITIZATION. ALL MUTAGENICITY STUDIES WERE NEGATIVE. SINCE THE POTENTIAL FOR HUMAN TOXICITY CANNOT BE RULED OUT PROPER VENTILATION & WORK PRACTICES SHOULD BE EMPLOYED.

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Transportation Information
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Responsible Party Cage: 07644
Trans ID NO: 155345
Product ID: HALOCARBON 27S OIL
MSDS Prepared Date: 10/02/1997
Review Date: 11/15/2000
MFN: 1
Net Unit Weight: 4.2 LBS
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: QT
Container QTY: 1
Type Of Container: PLASTIC BOTTLE

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Detail DOT Information
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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail IMO Information
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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

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Detail IATA Information
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IATA PSN Code: ZZZ
IATA Proper Shipping Name:

e: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail AFI Information
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AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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HAZCOM Label
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Product ID: HALOCARBON 27S OIL

Cage: 07644

Company Name: HALOCARBON PRODUCTS CORPORATION

Street: 887

KINDERKAMACK RD

City: RIVER EDGE NJ

Zipcode: 07661

Health Emergency Phone: 803-278-3504

Label Required IND: Y

Date Of Label Review: 11/15/2000

Status Code: A

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: NO

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: ACUTE EFFECTS OF OVEREXPOSURE: FROM THE ANIMAL STUDIES,

SIGNS OF FLUORIDE POISONING MAY BE EXPECTED. THESE I

NCLUDE NAUSEA, SHORTNESS

OF BREATH & LOSS OF APPETITE. CHRONIC EFFECTS OF OVEREXPOSURE: UNKN OWN.

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