

SHELL OIL COMPANY -- CAPRINUS(R) U OIL 40 -- 9150-01-399-8593

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

Product ID:CAPRINUS(R) U OIL 40

MSDS Date:04/29/1997

FSC:9150

NIIN:01-399-8593

MSDS Number: BXV FV

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:HEALTH, SAFETY AND ENVIRONMENT

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Country:US

Info Phone Num:713-241-4819/4141/2252 FAX -6511

Emergency

Phone Num:713-473-9461

Resp. Party Other MSDS Num.:66535-00

Chemtrec Ind/Phone:(800)424-9300

CAGE:54527

=== Contractor Identification ===

Company Name:EQUILON ENTERPRISES LLC PRODUCT STEWARDSHIP

Address:1111 BAGBY RD RM 4325D

Box:674414

City:HOUSTON

State:TX

ZIP:77267-4414

Country:US

Phone:877-276-7285

Contract Num:SP0450-99-M-B099

CAGE:3N254

Company Name:SHELL OIL (800-535-2104)

Address:309 JEFFERSON HWY

Box:UNKNOW

City:NEW ORLEANS

State:LA

ZIP:70121

Country:US

Phone:800-535-2104

CAGE:4Y429

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Company Name:SHELL OIL COMPANY  
Address:Box:2463  
City:HOUSTON  
State:TX  
ZIP:77210  
Country:US  
Phone:800-231-6950  
CAGE:54527

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

Ingredient Name:CAPRINUS U OIL 40 (THE FOLLOWING 5 INGREDIENTS ARE THE  
COMPONENTS OF THIS PRODUCT)

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

Ingredient Name:MINERAL OIL,HYDROTREATED (SEVERE), HEAVY NAPHTHENIC  
DISTILLATE

CAS:64742-52-5

RTECS #:PY8035001

Fraction by Wt: 50-60%

Other REC Limits:NON  
E RECOMMENDED

Ingredient Name:DISTILLATES, ACID-TREATED HEAVY NAPHTHENIC

CAS:64742-18-3

RTECS #:PY8032000

Fraction by Wt: 20-30%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:300 PPM

ACGIH TLV:300 PPM

Ingredient Name:MINERAL OIL,HYDROTREATED (SEVERE), PETROLEUM DISTILLATE,  
HEAVY PARAFFINIC

CAS:64742-54-7

RTECS #:PY8035501

Fraction by Wt: 5-10%

Other REC Limits:NONE RECOMMENDED

Ingredient Name:ADDITIVES

Fraction by Wt: 10-15%

Other REC Limits:NONE RECOMMENDED

Ingredient Name:CHLORINATED PARAFFIN WAX

CAS:634

49-39-8  
RTECS #:RV0450000  
Fraction by Wt: 5.0 G/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:PRODUCT IS MINIMALLY IRRITATING TO  
BODY TISSUES. PROLONGED OR REPEATED SKIN CONTACT MAY YIELD  
DERMATITIS, FOLLICULITIS OR OIL ACNE. INHALATION IS UNLIKELY UNLESS  
PRODUCT IS IN MIST OR HEATED. INGESTION: BASED ON COMPONENT  
INFORMATION THIS PRODUCT IS NO MORE THAN SLIGHTLY TOXIC IF  
SW

ALLOWED.  
Explanation of Carcinogenicity:NTP LISTS CHLORINATED PARAFFIN (INGRED  
7) AS HAVING SOME POTENTIAL WITH MALE RATS IN LARGE INGESTED DOSES.  
Effects of Overexposure:IRRITATION AS NOTED ABOVE.  
Medical Cond Aggravated by Exposure:PREEXISTING SKIN AND RESPIRATORY  
DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYE: FLUSH WITH WATER FOR 15 MIN. GET MEDICAL ATTENTION.  
SKIN: REMOVE CLOTHING & WIP  
PE OFF EXCESS. WASH WITH SOAP & WATER OR  
WATERLESS CLEANER THEN SOAP & WATER. INHALATION: REMOVE TO FRESH  
AIR, GIVE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.  
INGESTION: DO NOT INDUCE VOMITING. NO TREATMENT USUALLY NECESSARY,  
BUT GET MEDICAL ADVICE.

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

Flash Point Method:PMCC  
Flash Point:~240.6C, 465.F  
Extinguishing Media:USE WATER FOG, FOAM, DRY CHEMICAL OR CO2. DO NOT  
USE DIRECT WATER STREAM.  
PRODUCT WILL FLOAT AND CAN REIGNITE ON  
WATER.  
Fire Fighting Procedures:MATERIAL W/NOT BURN UNLESS PREHEATED. DO NOT  
ENTER FIRE-SPACE W/O FULL BUNKER GEAR (HELMET, BUNKER COAT, GLOVES,  
BOOTS) INCLUDING POSITIVE-PRESSURE NIOSH APPROVED SELF-CONTAINED  
BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS W/WATER.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED.

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

Spill Release Procedures:MAY BURN BUT NOT READILY IGNITABLE

E. USE PROPER

PERSONAL PROTECTION. STOP LEAK IF W/O RISK. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE VESSELS. ABSORB REMAINDER WITH CLAY, SAND, ETC . FLUSH AREA WITH WATER TO REMOVE TRACERESIDUE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPEARTURES. MINI MIZE SKIN CONTACT.

Other Precautions:PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, THAT CANNOT BE DECONTAMINATED.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED TLV/PEL, USE NIOSH APPROVED RESPIRATOR, EITHER ATMOSPHERE SUPPLYING OR AIR PURIFYING FOR ORGANIC VAPOR. SEE 29 CFR 1910.134 FOR DETAILS OF RESPIRATOR REGULATIONS. USE EI THER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTCULATES.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:WEAR SAFETY GOGGLES.

Other Protective Equipment:OTHER PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:MINIMIZE SKIN CONTACT. WASH W/SOAP & WATER BEFORE EATING,DRINKING,SMOKING OR USING TOILET. LAUNDER CLOTHING BEFORE REUSE

Supplemental Safety and Health

TEST DATA FROM PUBLISHED LITERATURE

AND/OR GLOVE/CLOTHING MANUFACTURERS

INDICATE THE BEST PROTECTION IS PROVIDED BY NITRILE GLOVES.

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

HCC:V6

Melt/Freeze Pt:=-26.1C, -15.F

Vapor Pres:(MM HG):