

CITGO PETROLEUM CORP -- 22-315 CITGARD 500 MOTOR OIL,SAE 15W-40 (MO-S3B) --  
9150-01-352-2962

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

Product ID:22-315 CITGARD 500 MOTOR OIL,SAE 15W-40 (MO-S3B)

MSDS Date:03/23/1995

FSC:9150

NIIN:01-352-2962

MSDS Number: CFRJS

=== Responsible Party ===

Company Name:CITGO PETROLEUM CORP

Address:6110 S YALE

Box:3758

City:TULSA

State:OK

ZIP:74102

Country:US

Info Phone Num:918-495-5933

Emergency Phone Num:918-495-4700/800-424-9300(CHEMTR  
EC)

CAGE:7X110

=== Contractor Identification ===

Company Name:CITGO PETROLEUM CORP

Address:6100 S YALE AVE

Box:3758

City:TULSA

State:OK

ZIP:74102

Country:US

Phone:918-495-5933

CAGE:7X110

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

Ingred Name:REFINED PETROLEUM OIL(S), CONTAINS ONE OR MORE OF FOLLOWING  
BASE OILS-INGREDS 2 THRU 13.

Fraction by Wt: >75%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:SOLVENT DEWA

XED, HEAVY PARAFFINIC DISTILLATE  
CAS:64742-65-0  
RTECS #:PY8038501  
Fraction by Wt: SEE #1%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SOLVENT DEWAXED RESIDUAL OIL  
CAS:64742-62-7  
Fraction by Wt: SEE #1%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SOLVENT REFINED RESIDUM  
CAS:64742-01-4  
Fraction by Wt: SEE #1%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SOLVENT REVFINED HEAVY PARAFFINIC, DISTILLATE  
CAS:64741-88-4  
RTECS #:PY8040501  
Fraction by Wt: SEE #1%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:PETROLEUM OIL; SOLVENT REFINED, LIGHT PARAFFINIC DISTILALTE  
CAS:64741-89-5  
RTECS #:PY8041500  
Fraction by Wt: SEE #1%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROTREATED HEAVY PARAFFINIC DISTILLATE  
CAS:64742-54-7  
RTECS #:PY8035501  
Fraction by Wt: SEE #1%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROTREATED LIGHT PARAFFINIC DISTILLATE  
CAS:64742-55-8  
RTECS #:PY8036500  
Fraction by Wt: SEE #1%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROTREATED BOTTOMS  
CAS:64742-57-

0  
Fraction by Wt: SEE #1%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROTREATED NEUTRAL LUBRICATING OIL  
CAS:72623-87-1  
Fraction by Wt: SEE #1%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROTREATED HIGH-VISCOSITY NEUTRAL LUBRICATING OIL  
CAS:72623-85-9  
Fraction by Wt: SEE #1%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROTREATED BRIGT STOCK LUBRICATING OIL  
CAS:72623-83-7  
Fraction by Wt: SEE #1%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:CATALYTIC DEWAXED PARAFFINIC OIL  
CAS:64  
742-70-7  
RTECS #:PY8045500  
Fraction by Wt: SEE #1%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:DETERGENT INHIBITOR (CONTAINS ZINC DIALKYLDITHIOPHOSPHATE)  
PLUS INGRED 15.  
Fraction by Wt: 400@100F RISK OF ASPIRATION INTO LUNGS PRACTICALLY  
0.LG QUANT INGEST(SUPPLE)

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

Flash Point Method:COC  
Flash Point:399F,204C  
Autoignition Temp:Autoignition Temp Text:NP  
Lower Limits:N/DETERMINED  
Upper Limits:N/DETERMINED  
Extinguishing  
Media:CO2, DRY CHEMICAL, FOAM, WATER FOG.  
Fire Fighting Procedures:NONE  
Unusual Fire/Explosion Hazard:WATER MAY CAUSE FROTHING.

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

Spill Release Procedures:REMOVE SOURCES OF HEAT/IGN.PROVIDE ADEQU  
VENTI.SM:TAKE UP W/NONCOMBUST ABSORBENT SUCH AS FULLERS  
EARTH,SAND.PLACE INTO CNTNR FOR LATER DISPO.LG:CONTAIN SPILL IN  
EARTHEN DIKES FOR LATER RECOVERY.CNTRL IGN SOURCES AROUND  
SPILL.REPORT AS REQUIRE TO AUTH  
Neutraliz

ing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CNTNR TIGHTLY CLSD,AWAY FRM  
HEAT/FLAME.AFT DRAIN OIL WASH SKIN WELL W/SOAP/WATER.EMPTY CNTNR  
MAY CONTAIN RESIDUE-FLAMM/EXPLO VAP.

Other Precautions:AVOID PROL SKIN CONTACT W/USED MOTOR OILS.DURING  
REPAIR/MAINT OF CONTAM EQPMT:REF TO SEPC PROT INFO;WASH EXPO SKIN  
WELL W/SOAP/WATER;REMOVE SOILED CLOTH;USE POLYMER GLOVES IF EXTEND

DIRECT CONTACT EXP ECTED;AVOID PROL CONTACT W/USED OIL.

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

Respiratory Protection:IF HIGH VAPOR CONCEN IS EXPECTED USE RESPIRATOR  
APPROVED FOR ORGANIC VAPORS.

Ventilation:USE IN WELL VENTI AREA.CONF SPACE MECH VENTI MAY BE  
REQUIRE-KEEPS CETAIN CMPDS LEVELS BEL MANDATED STD AS EVALUATE

Protective Gloves:OIL IMPERV GLOVES

Eye Protection:SAFETY GOGG,CHEM SPLASH GOGG

Other Protective Equipment:WEAR BODY-COVERING WORK CLOTHES  
TO AVOID

PROL/REP EXPO.LAUNDER SOILED WORK CLOTHES BEF REUSE.

Work Hygienic Practices:DONT WEAR HEAVILY CONTAM CLOTH BEFORE  
LAUNDERING.

Supplemental Safety and Health

HEALTH:INJECT:SUBCUTANEOUS/INSTRAMUSCULAR INJECTION MAY CAUSE  
IRRIT,ERYTHEMA,EDEMA.CHRONIC:PROL &/OR FREQU CONTACT MAY CAUSE  
DRY,CRACK(DERM),FOLLICULITIS,MAY CAUSE SLIGHT IRRIT. DISPO:PROD  
@DISPO TIME .RCRA HOTLINE:800-424-9346. 1ST AID:EMESIS/LAVAGE MAY BE  
CONSIDER.SUBCUT INJECT PROMPTLY SURG DEBRID,NOT FAMIL  
AR GET ADVIC

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

HCC:V6

Boiling Pt:B.P. Text:680F,360C

Melt/Freeze Pt:M.P/F.P Text:NA

Decomp Temp:Decomp Text:NP

Vapor Pres:1

Spec Gravity:0.87-0.91

pH:NA

Viscosity:NP

Evaporation Rate & Reference: