

CITGO PETROLEUM CORP -- CITGO NO 93423, 10W, MILITARY -- 9150-00-186-6668

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

Product ID:CITGO NO 93423, 10W, MILITARY

MSDS Date:03/15/1993

FSC:9150

NIIN:00-186-6668

MSDS Number: BRTDX

=== Responsible Party ===

Company Name:CITGO PETROLEUM CORP

Address:6100 S YALE BLDG 1 WARREN PL

Box:3758

City:TULSA

State:OK

ZIP:74102

Country:US

Info Phone Num:918-495-5933

Emergency

Phone Num:318-491-6215, CHEMTREC 800-424-9300

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 HEAVY PARAFFINIC DISTILLATES CONTAINING: CAS #

64741- 89-5

CAS:64741-88-4

Fraction by Wt: 75-90%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3

(OIL MIST)

Ingred Name:VI IMPROVER (CONTAINS DIALKYLDITHIOPHOSPHATE)

Fraction by Wt: 10-15%

Other REC Limits:NONE RECOMMENDED

Ingred Name:POUR DEPRESSANT

Fraction by Wt: < 1%

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:PRACTICALLY NON-TOXIC

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION-LOW RISK AT AMBIENT  
TEMO

ERATURES. DERMAL-TRANSIENT, SLIGHT IRRITATION. EYE-PRACTICALLY  
NON-IRRITANT. INGESTION-LOW TOXICITY. IF LESS THAN ONE OUNCE IS  
INGESTED, MATERIAL MAY PASS THROUGH SY STEM WITHOUT HARM.  
INJECTION-SUBCUTANEOUS OR INTRAMUSCULAR INJECTION MAY CAUSE  
IRRITATION, ERYTHEMA, EDEMA.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS  
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:INHALATION-MIST OR FUMES MAY CAUSE DIZZINESS,  
HEADACHE,

NAUSEA, RESPIRATORY IRRITATION, OR CHEMICAL PNEMONITIS.

INGESTION-ON INGESTION OF LARGE QUANTITIES SLIGHT GI DISCOMFORT,  
DIARRHEA, HEADACHE MAY OCCUR.

Medical Cond Aggravated by Exposure:NONE.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE TO INCIDENTAL FUMES AND  
PROVIDE RESPIRATORY SUPPORT IF NECESSARY. DERMAL: WASH WITH SOAP  
AND WATER. EYES: FLUSH WITH LARGE AMOUNTS OF WATER. INGESTION:  
INDUCE VOMITING AND  
SEEK MEDICAL AID. INJECTION: SEEK MEDICAL AID.

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

Flash Point Method:COC

Flash Point:414F,212C

Extinguishing Media:CARBON DIOXIDE, 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 OR IGNITION. PROVIDE  
ADEQUATE VENTILATION. SMALL SPILL: TAKE

UP WITH NONCOMBUSTIBLE  
ABSORBENT SUCH AS FULLERS EARTH OR SAND. PLACE INTO CONTAINERS FOR  
LATER DISPOSAL.  
Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED AND AWAY  
FROM HEAT AND FLAME.  
Other Precautions:AVOID PROLONGED SKIN CONTACT WITH USED MOTOR OILS.  
CONTINUOUS CONTACT WITH USED OIL HAS CAUSED CANCER IN LABORATORY  
ANIMALS. AFTER DRAINING OIL, WASH SKIN TH  
OROUGHLY WITH SOAP AND  
WATER.

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

Respiratory Protection:IF HIGH VAPOR CONCENTRATION IS EXPECTED, USE  
RESPIRATOR APPROVED FOR ORGANIC VAPORS.  
Ventilation:USE IN WELL VENTILATED AREA. IN CONFINED SPACES, MECHANICAL  
VENTILATION MAY BE REQUIRED TO KEEP LEVELS BELOW STANDARD.  
Protective Gloves:OIL IMPERVIOUS GLOVES.  
Eye Protection:SAFETY GOGGLES, CHEMICAL SPLASH GOGGLES.  
Other Protective Equipment:WEAR BODY-COVERING WORK C  
LOTHES TO AVOID  
PROLONGED EXPOSURE. LAUNDER SOILED WORK CLOTHES BEFORE REUSE.  
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.  
Supplemental Safety and Health  
NOTE TO PHYSICIAN: FOLLOWING INGESTION, AT A SAYBOLT VISCOSITY OF ABOUT  
187 AT 100F, THE RISK OF ASPIRATION INTO THE LUNGS IS REDUCED. FOR  
QUANTITIES ABOVE 1 OUNCE, EMESIS OR LAVAGE MAY BE CONSIDERED.  
SUBCUTANEOUS INJECTION REQ  
UIRES PROMPTSURGICAL DEBRIDEMENT. IF NOT  
FAMILIAR WITH TECHNIQUE, SEEK SKILLED ADVICE.

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

HCC:V4  
Boiling Pt:B.P. Text:650F,343C  
Vapor Pres:< 0.001  
Vapor Density:>1  
Spec Gravity:0.89  
Evaporation Rate & Reference: