

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

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Product Identification  
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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

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Composition/Information on Ingredients  
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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 DIALKYL DITHIOPHOSPHATE)

Fraction by Wt: 10-15%

Other REC Limits:NONE RECOMMENDED

Ingred Name:POUR DEPRESSANT

Fraction by Wt: < 1%

Other REC Limits:NONE SPECIFIED

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

TEMPO

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.

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

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

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

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===== 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 THOROUGHLY WITH SOAP AND WATER.

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===== 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 CLOTHES 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.

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===== 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: