

TEXACO REFINING AND MARKETING INC. -- 02109 URSA SUPER PLUS SAE 15W-40 --
9150-01-352-2962

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

Product ID:02109 URSA SUPER PLUS SAE 15W-40
MSDS Date:09/15/1994
FSC:9150
NIIN:01-352-2962
MSDS Number: BVFVB
=== Responsible Party ===
Company Name:TEXACO REFINING AND MARKETING INC.
Address:1111 RUSK STREET
City:HOUSTON
State:TX
ZIP:77002-3310
Country:US
Info Phone Num:713-650-5206
Emergency Phone Num:713-650-5206, CHEMTREC 800-424-9300
CAGE:2R503

=== Contractor Identification ===

Company Name:TEXACO REFINING AND MARKETING INC
Address:1111 RUSK ST
Box:City:HOUSTON
State:TX
ZIP:77002-3310
Country:US
Phone:713-650-5206
CAGE:2R503

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

Ingred Name:MINERAL OIL, SOLVENT REVFINED HEAVY PARAFFINIC, SEVERELY
HYDROTREATED (NON-CARCINOGENIC - IARC)
CAS:64741-88-4
RTECS #:PY8040501
Fraction by Wt: 65-80%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PETROLEUM OIL
CAS:64741-89-5
RTECS #:PY8041500
Fraction by Wt: 10-20%
Other REC Limits:NONE RECOMMENDED

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATE, SOLVENT DEWAXED
(SEVERE), HEAVY PARAFFINIC
CAS:64742-65-0
RTECS #:PY8038501
Fraction by Wt: 10-20%
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALKENYLSUCCINIMIDE DISPERSANT ACC# 110544
Fraction by Wt: 3-10%
Other REC Limits:NONE RECOMMENDED

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LD50 LC50 Mixture:ORAL LD50 (RAT) IS >5,000 MG/KG.

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

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

Health Hazards Acute and Chronic:ACUTE-EYES:MAY CAUSE MINIMAL

IRRITATION. SKIN:BRIEF CONTACT IS NOT IRRITATING. PROLONGED &/OR REPEATED CONTACT MAY CAUSE DEFATTING OR IRRITATION.

INHALATION:VAPORS OR MIST MAY CAUSE IRRITATION OF NOSE AND THROAT, HEADACHE, NAUSEA, DROWSINESS. INGESTION:NO ADVERSE EFFECTS

EXPECTED. MASSIVE INGESTION:NAUSEA G/I DISTRESS.

Explanation of Carcinogenicity:USED GASOLINE MOTOR OILS HAVE CAUSED SKIN CANCER IN MICE IF NO EFFORT IS MADE AT REMOVAL. NO EVIDENCE OF THIS IN HUMANS.

Effects of Overexposure:EYES:MINIMAL IRRITATION. SKIN:PROLONGED &/OR REPEATED CONTACT MAY CAUSE DEFATTING OR IRRITATION. INHALATION OF VAPORS OR MIST:IRRITATION OF NOSE AND THROAT, HEADACHE, NAUSEA, DROWSINESS. INGESTION:NO ADVERSE EFFECTS EXPECTED. MASSIVE INGESTION:NA

USEA G/I DISTRESS.

Medical Cond Aggravated by Exposure:BECAUSE OF ITS DEFATTING

PROPERTIES, PROLONGED AND REPEATED SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS.

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

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION.

EYE:FLUSH W/WATER TO 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING & LAUNDRER BEFORE REUSE. INHALED:REMOVE FROM EXPOSURE. AI D OR RESTORE BREATHING AS NEEDED

. INGESTED:DO NOT

INDUCE VOMITING. FOR MASSIVE INGESTION, GIVE 1-2 GLASSES OF MILK OR WATER TO DRINK. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:COC

Flash Point:>440F,>227C

Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL, FOAM, OR CARBON DIOXIDE. WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO COOL CONTAINERS.

Fire Fighting Procedures:NO SPECIAL EQUIPMENT OR PROCEDURES REQUIRED.

Unusual Fire/Explosio

n Hazard:HYDROGEN SULFIDE MAY BE RELEASED IF OVERHEATED.

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

Spill Release Procedures:VENTILATE AREA. AVOID BREATHING VAPOR. USE APPROPRIATE PROTECTIVE EQUIPMENT. CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL. SHOVEL INTO SUITABLE CONTAINER FOR DISPOSAL. PREVENT ENTRY INTO SEWERS AND WATERWAYS. AVOID CONTACT.

Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

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

Handling and Storage Precautions:MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED. PERIODS OF EXPOSURE TO HIGH TEMPERATURES SHOULD BE MINIMIZED. AVOID WATER CONTAMINATION.

Other Precautions:NONE

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

Respiratory Protection:KEEP AIRBORNE CONCENTRATIONS AS LOW AS POSSIBLE. IF VAPOR OR MIST IS GENERATED, USE NIOSH/MSHA APPROVED RESPIRATOR IF EXPOSURE LIMITS ARE EXCEEDED. USE AIR SUPPLIED RESPIRATOR IF AIRBORNE CONCENTRATIONS ARE UNKNOWN.

Ventilation:PROVIDE TO MEET COMPONENT OCCUPATIONAL EXPOSURE LIMITS.

Protective Gloves:MFR GAVE NO INFORMATION ON MSDS.

Eye Protection:SAFETY GLASSES, GOGGLES, OR FACE SHIELD

Other Protective Equipment:MFR GAVE NO INFORMATION ON MSDS.

Work Hygienic Practices:WASH EXPOSED SKIN SEVERAL TIMES DAILY W/SOAP & WATER. LAUNDRY OR DRY CLEAN SOILED CLOTHING.

Supplemental Safety and Health
NONE

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

HCC:V6

NRC/State Lic Num:NONE

Spec Gravity:0.891

Appearance and Odor:PALE LIQUID, MINERAL OIL ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
THIS MATERIAL REACTS VIOLENTLY WITH STRONG OXIDIZERS.

Stability Condition to Avoid:EXTREME TEMPERATURES OR EXTENDED STORAGE PERIODS, HYDROGEN SULFIDE MAY ACCUMULATE IN THE HEAD-SPACE OF CONTAINERS.

Hazardous Decomposition Products:CARBON MONO

XIDE, CARBON DIOXIDE,
ALDEHYDES, KETONES, OXIDES OF SULFUR.
Conditions to Avoid Polymerization:DO NOT OCCUR

===== Disposal Considerations =====

Waste Disposal Methods:PRODUCT HAS BEEN EVALUATED FOR RCRA CHARACTERISTICS AND DOES NOT MEET CRITERIA OF A HAZARDOUS WASTE IF DISCARDED IN ITS PURCHASED FORM. USER IS RESPONSIBLE FOR DETERMINING THE CHARACTERISTICS OF THE MATERIAL AT TIME OF DISPOSAL.

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