

TEXACO LUBRICANTS DIV. OF TEXACO REFINING & MKTG -- 02109 URSA SUPER PLUS SAE 15W-40  
-- 9150-01-352-2962

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

Product ID:02109 URSA SUPER PLUS SAE 15W-40

MSDS Date:03/09/1992

FSC:9150

NIIN:01-352-2962

MSDS Number: BNCPF

=== Responsible Party ===

Company Name:TEXACO LUBRICANTS DIV. OF TEXACO REFINING & MKTG

Address:1111 RUSK STREET

City:HOUSTON

State:TX

ZIP:77002-3310

Country:US

Info Phone Num:914-838-7509/914-838-7204

Emergency Phone Num:914-831-3400/800-424-9300(CHEMTREC)

CAGE:OTTJ3

=== Contractor Identification ===

Company Name:BLACKWELL SCIENTIFIC PUBLICATIONS INC

Address:3 CAMBRIDGE CENTER

Box:City:CAMBRIDGE

State:MA

ZIP:02142

Country:US

Phone:617-225-0401

CAGE:0TTJ5

Company Name:TEXACO LUBRICANTS

Address:4164 E INNSLAKE DR

Box:4427

City:GLEN ALLEN

State:VA

ZIP:23060

Country:US

Phone:804-527-4311

CAGE:OTTJ3

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, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY  
PARAFFINIC

CAS:64742-65-0

RTECS #:PY8038500

Fraction by Wt: 80-95%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:LONG CHAIN CALCIUM PHENATE SULFIDE

Fraction by Wt: 1-4%

Other REC Limits:NONE SPECIFIED

Ingred Name:ALKENYLSUCCINIMIDE DISPERSANT

Fraction by Wt: 1-4%

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:LD 50 ORAL RAT IS > 5000 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: LOW HEALTH HAZARD. MINIMAL

IRRITATION. INHALATION OF VAPORS OR MISTS WHEN SPRAYING MAY CAUSE  
IRRITATION AND DROWSINESS. C

CHRONIC: NONE KNOWN.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT  
IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES: MINIMAL IRRITATION. SKIN: IRRITATION,  
SKIN DRYING ON PROLONGED CONTACT. INHALATION: IRRITATION OF NOSE  
AND THROAT, HEADACHE, NAUSEA, DROWSINESS. INGESTION: DISCOMFORT,  
NAUSEA, DIARRHEA.

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:EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEE DOCTOR. SKIN: WASH WITH SOAP. IF IRRITATION PERSISTS, SEE DOCTOR. INHALATION: REMOVE VICTIM TO FRESH AIR. SEE DOCT OR. INGESTION: GIVE 2 GLASSES OF WATER.DO NOT INDUCE VOMITING. SEE DOCTOR.

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

Flash Point Method:COC

Flash P

oint:450F,232C

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. WATER OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Releas

e Procedures:REMOVE PERSONNEL. ELIMINATE IGNITION SOURCES. VENTILATE AREA. WEAR PROTECTIVE CLOTHING AND EQUIPMENT. ABSORB IN INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER.

=====  
===== 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:AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS.

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

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED RESPIRATOR OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilation:MECHANICAL (GENERAL) VENTILATION OR LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE LEVELS BELOW PEL.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE EXPO

SURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

USED GASOLINE MOTOR OILS HAVE BEEN SHOWN TO CAUSE SKIN CANCER WHEN REPEATEDLY APPLIED TO MOUSE SKIN WITHOUT ANY EFFORT TO REMOVE THE MATERIAL BETWEEN APPLICATIONS. THERE IS NO EVIDENCE OF A CAUSAL RELATIONSHIP BETWEEN SKIN CANCER IN HUMANS AND EXPOSURE TO USED MOTOR OIL.

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

HCC:V6

Vapor Density:NKNOWN

Spec Gravity:0.891

Viscosity:111 CST @104F

Solubility in Water:NEGLIGIBLE

Appearance and Odor:PALE OILY LIQUID.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition

Products:CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES, KETONES, OXIDES OF NITROGEN, SULFUR, CALCIUM, ZINC, PHOSPHORUS.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense.

The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.