

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

Product ID:02109 URSA SUPER PLUS SAE 15W-40
MSDS Date:05/12/1994
FSC:9150
NIIN:01-352-2962
MSDS Number: BXCQM
=== Responsible Party ===
Company Name:TEXACO LUBRICANTS COMPANY
Box:4427
City:HOUSTON
State:TX
ZIP:77210-4427
Country:US
Info Phone Num:800-782-7852
Emergency Phone Num:914-831-3400 800-424-9300(CHEMTREC)
Preparer's Name:MANAGER PRODUCT
SAFETY
CAGE:TEXLU
=== Contractor Identification ===
Company Name:TEXACO LUBRICANTS
CAGE:TEXLU
Company Name:TEXACO LUBRICANTS CO AFFIL OF TEXACO INC
Address:158 PRIVATE DR 8323
Box:City:PROCTORVILLE
State:OH
ZIP:45669
Country:US
Phone:614-886-7508
CAGE:0TTJ3

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

Ingred Name:MINERAL OIL, SOLVENT REVFINE D HEAVY PARAFFINIC, SEVERELY
HYDROTREATED (NON-CARCINOGENIC - IARC)
CAS:64741-88-4
RTECS #:PY8040501
Fraction by Wt: 65-75.9%
Other REC Limits:NONE RECOMMENDED

Ingred Name:PETROLEUM OIL
CAS:64741-89-5
RTECS #:PY8041500
Fraction by Wt: 10-19.9%
Other REC Limits:NONE RECOMMENDED

Ingred Name:DISTILLATES, SOLVENT-DEWAXED LIGHT PARAFFINIC
CAS:64742-56-9
RTECS #:PY8039500
Fraction by Wt: 3-9.99%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:300 PPM
ACGIH TLV:300 PPM

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATE, SOLVENT DEWAXED
(SEVERE), HEAVY PARAFFINIC
CAS:64742-65-0
RTECS #:PY8038501

Limits:NONE RECOMMENDED

Ingred Name:ALKENYLSUCCINIMIDE DISPERSANT, ACCESSION NUMBER 110544

Fraction by Wt: 3-9.99%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ZINC DIALKYLDITHIOPHOSPHATE

CAS:84605-29-8

Fraction by Wt: 0.1-0.9%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ZINC 0,0-BISISODECYL DITHIOPHOSPHATE

CAS:25103-54-2

Fraction by Wt: 0.1-0.9%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS >5G
/KG

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

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

Health Hazards Acute and Chronic:EYES:MAY CAUSE MINIMAL

IRRITATION.SKIN:MAY CAUSE IRRITATION AND DEFATTING.INGEST:MAY CAUSE
GI TRACT IRRITATION.INHAL:PRODUCT EXPOSED TO HIGH TEMPERATURES MAY
RELEASE H*2S(SEE HYDROGEN SULFIDE EXPOSURE IN SIGNS AND
SYMPTOMS).MAY CAUSE RESPIRATORY IRRITATION.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT
IS LI

STED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES:TEMPORARY

DISCOMFORT.SKIN:REDNESS,RASH.INHAL:HEADACHE,NAUSEA,DROWSINESS.INGES
T:ABDOMINAL DISCOMFORT,NAUSEA,DIARRHEA.HYDROGEN SULFIDE
EXPOSURE:HEADACHE,DIZZINESS,NAUSEA,DIARRHEA,FLUID ON THE LUNGS .MAY
LEAD TO PARALYSIS,UNCONSCIOUSNESS AND DEATH.

Medical Cond Aggravated by Exposure:BECAUSE OF ITS DEFATTING

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

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.GET MEDICAL ATTENTION IF IRRITATION PERSISTS.EYES:FLUSH WITH WATER FOR 15 MINUTES.GET MEDICAL ATTENTION IF IRRITATION PERSISTS.INHAL:REMOVE T O FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:IF MORE THAN 2 MOUTHFULS ARE SWALLOWED,GIVE 2 GLASSES OF WATER(IF CONSCIOUS).GET PROMPT QUALIFIED MEDICAL ATTENTION.

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== Fire Fighting Measures =====

Flash Point Method:COC

Flash Point:>440F,>227C

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

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:HYDROGEN SULFIDE MAY BE RELEASED IF OVERHEATED.COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPO SITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.VENTILATE AREA.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.AVOID CONTAMINATION OF SEWERS AND WATERWAYS.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH

ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, OPEN FLAMES AND STRONG OXIDANTS. KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions:AVOID WATER CONTAMINATION.HYDROGEN SULFIDE MAY BE PRESENT IN THE HEADSPACE OF THE CONTAINER IF IT HAS BEEN EXPOSED TO HIGH TEMPERATURES DURING STORAGE.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.ALWAYS
MONITOR AVAILABLE OXYGEN LEVEL BEFORE ENTERING ENCLOSED SPACES.
Ventilation:MECHANICAL (GENERAL) VENTILATION.
Protective Gloves:NITRILE GLOVES.
Eye Protection:SPLASH GOGGLES IF MISTING.
Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE
EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY
SHOWER.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE
EATING. LAUNDER CONTAMI
NATED CLOTHING BEFORE REUSE. DISCARD
CONTAMINATED SHOES
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 REL
ATIONSHIP BETWEEN SKIN CANCER IN HUMANSAND EXPOSURE TO USED MOTOR
OIL.

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

HCC:V6
Vapor Pres:NEGLIGIBLE
Vapor Density:>1
Spec
Gravity:0.891
Viscosity:110CST@104F
Solubility in Water:NEGLIGIBLE
Appearance and Odor:LIQUID;PALE;MINERAL OIL ODOR.
Percent Volatiles by Volume:NIL

===== 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.AVOID WATER CONTAMINATION.
Hazardous Decomposition Products:CARBON DIOXIDE,CARBON
MONOXIDE,HYDROGEN SULFIDE,IRRITATING ALD
EHYDES,KETONE,SULFUR
COMPOUNDS.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND
LOCAL REGULATIONS.

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