

TEXACO REFINING AND MARKETING INC. -- 02109 URSA SUPER PLUS SAE 15W-40 --
9150-01-351-9018

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

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

MSDS Date:01/01/1995

FSC:9150

NIIN:01-351-9018

MSDS Number: BWZSS

=== Responsible Party ===

Company Name:TEXACO REFINING AND MARKETING INC.

Address:1111 RUSK STREET

Box:4427

City:HOUSTON

State:TX

ZIP:77002-3310

Country:US

Info Pho

ne Num:713-650-5206

Emergency Phone Num:713-650-5206, CHEMTREC 800-424-9300

Preparer's Name:MANAGER, PRODUCT SAFETY

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:SEVERELY SOLVENT REFINED, SOLVENT DEWAXED HEAVY PARAFFINIC
PETROLEUM DISTILLATES

CAS:64742-65-0

RTECS

#:PY8038500

Fraction by Wt: 80-95%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:ALKENYLSUCCINIMIDE DISPERSANT

Fraction by Wt: 3-10%

Other REC Limits:NONE RECOMMENDED

Ingred Name:DIALKYLDITHIOPHOSPHORIC ACID, ZINC SALT

CAS:84605-29-8

Fraction by Wt: 0.1-0.9%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ZINC DITHIOPHOSPHATE (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 >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: INHALATION OF HIGH

CONCENTRATIONS MAY CAUSE RESPIRATORY IRRITATION, HEADACHE & NAUSEA.

CONTACT WITH SKIN & EYES MAY CAUSE IRRITATION. INGESTION MAY CAUSE

GI TRACT IRRITATION. CHRONIC: NO ADVERSE EFFECTS HAVE BEEN

DO

CUMENTED IN HUMANS AS A RESULT OF CHRONIC EXPOSURE.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%

OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:INHALED-HEADACHE, NAUSEA, IRRITATION OF NOSE &

THROAT, DROWSINESS. INGESTED-ABDOMINAL DISCOMFORT, NAUSEA,

DIARRHEA. EYES-TEMPORARY DISCOMFORT. SKIN-LOCAL REDNESS, SWELLING.

Medical Cond Aggravated by Exposure:REPEATED SKIN CONTACT MAY AGGRAVATE

AN EXISTING DERMATITIS.

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First Aid Measures
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First Aid:EYES-FLUSH WITH LOTS OF WATER FOR SEVERAL MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN-WASH SKIN WITH PLENTY OF SOAP & WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INGESTED-IF CONSCIOUS, GIVE 2 GLASSES OF WATER. GET MEDICAL ATTENTION. INHALED-IF SYMPTOMS OCCUR, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF BREATHING BECOMES DIFFICULT OR RESPIRATORY IRRITATION PERSISTS.

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Fire Fighting Measures
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Flash Point Method:COC

Flash Point:>435F,>224C

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

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:HYDROGEN SULFIDE MAY BE RELEASED WHEN OVERHEATED.

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Accidental Release Measures
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Spill Release Procedures:VENTILATE AREA. AVOID BREATHING VAPOR. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, INCLUDING RESPIRATORY. CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL & SHOVEL UP. PREVENT ENTRY INTO SEWERS & WATERWAYS. AVOID CONTACT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:PERIODS OF EXPOSURE TO HIGH TEMPERATURES SHOULD BE

MINIMIZED. WATER CONTAMINATION SHOULD BE AVOIDED. MINIMUM FEASIBLE HANDLING TEMPS SHOULD BE MAINTAINED

Other Precautions:WHEN OVERHEATED, PRODUCT MAY RELEASE HYDROGEN SULFIDE GAS. HYDROGEN SULFIDE CONCENTRATIONS ABOVE PERMISSIBLE CONCENTRATIONS CAN CAUSE IRRITATION OF EYES & RESPIRATORY TRACT, HEADACHE, DIZZINESS, NAUSEA, VOMITING, DIARRHEA, PULMONARY EDEMA.

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Exposure Controls/Personal Protection
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Respiratory Protection:IF ENGINEERING CONTROLS FAIL O

R NON-ROUTINE USE

OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NONE SPECIFIED BY MANUFACTURER.

Eye Protection:SAFETY GLASSES/GOGGLES/FACESHIELD.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:

WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

MORE ABOUT HYDROGEN SULFIDE: AT CONCENTRATIONS ABOVE 300 PPM, RESPIRATORY PARALYSIS, CAUSING UNCONSCIOUSNESS AND DEATH MAY OCCUR.

EPA NOTES: SARA 302/304: NONE; SARA 311: NONE/N/R; SARA 313: DIALKYLDI THIOPHOSPHORIC ACID, ZINC SALT, CAS# 84605-29-8, 0.1-0.99%; ZINC DITHIOPHOSPHATE, CAS# 25103-54-2, 0.1-0.99%

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Physical/Chemical Properties =====

HCC:V6

Spec Gravity:0.88

Viscosity:110 CST @ 40C

Appearance and Odor:PALE LIQUID; MINERAL OIL ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

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

Hazardous Decomposition Products:TOXIC LEVELS OF CARBON MONOXIDE,

CARBON DIOXIDE, IRRITATING ALDEHYDES, KETONES & COMBUSTION PRODUCTS/COMPOUNDS OF SULFUR.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:THIS PRODUCT HAS BEEN EVALUATED FOR RCRA CHARACTERISTICS AND DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE IN ITS PURCHASED FORM. UNDER RCRA, IT IS THE RESPONSIBILITY OF THE PURCHASER TO DETERMINE AT DISPOSAL, WHETHER PRODUCT MEETS RCRA CRI

TERIA.

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