

TEXACO REFINING AND MARKETING INC. -- 26412 URSA SUPER PLUS MOTOR OILS 02112 SAE 30
-- 9150-00-189-6729

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

Product ID:26412 URSA SUPER PLUS MOTOR OILS 02112 SAE 30

MSDS Date:12/16/1997

FSC:9150

NIIN:00-189-6729

MSDS Number: CHQGW

=== Responsible Party ===

Company Name:TEXACO REFINING AND MARKETING INC.

Address:1111 RUSK STREET

City:HOUSTON

State:TX

ZIP:77002-3310

C

Country:US

Info Phone Num:800-782-7852

Emergency Phone Num:914-831-3400, CHEMTREC 800-424-9300

CAGE:2R503

=== Contractor Identification ===

Company Name:TEXACO INC CORPORATE HQ

Address:2000 WESTCHESTER AVE

City:WHITE PLAINS

State:NY

ZIP:10604

Country:US

Phone:914-253-4000

CAGE:59595

Company Name:TEXACO LUBRICANTS

CAGE:TEXLU

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

===== Compositi

on/Information on Ingredients =====

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATE, SOLVENT DEWAXED (MILD),
HEAVY PARAFFINIC

CAS:64742-65-0

RTECS #:PY8038500

Fraction by Wt: 65-80.9%

Other REC Limits:5 MG/M3 (OIL MIST)

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED
(MILD), HEAVY PARAFFINIC

CAS:64742-54-7

RTECS #:PY8035500

Fraction by Wt: 20-35%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:HYDROTREATED MIDDLE
PETROLEUM DISTILLATE

CAS:64742-46-7

RTECS #:JN9379645

Fraction by Wt: 3-10%

Other REC Limits:NONE RECOMMENDED

Ingred Name:DISPERSANT MODIFIED POLYOLEFIN AMIDE ALKYLENEAMINE

Fraction by Wt: 1-3%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SOLVENT REFINED HYDROTREATED RESIDUAL OIL

CAS:64742-57-0

Fraction by Wt: 1-3%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS >5000 MG/KG

Routes of Entry: Inhalati

on:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHALATION OF VERY LARGE

CONCENTRATIONS OF VAPORS/MISTS MAY CAUSE IRRITATION OF NOSE/THROAT
& CNS EFFECTS. CONTACT MAY CAUSE SKIN & EYE IRRITATION. IF MORE
THAN SEVERAL MOUTHFULS ARE SWALLOWED, GI TRACT IRRITATION MAY
OCCUR. CHRONIC: NO ADVERSE EFFECTS HAVE BEEN REPORTED.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LI

STED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:INHALED-IRRITATION OF NOSE & THROAT, HEADACHE, NAUSEA, DROWSINESS. EYES-IRRITATION, DISCOMFORT. SKIN-IRRITATION, DISCOMFORT, LOCAL REDNESS, SWELLING. INGESTED-ABDOMINAL DISCOMFORT, NAUSEA, DIARRHEA. E XPOSURE TO HYDROGEN SULFIDE-IRRITATION OF EYES & RESPIRATORY TRACT, HEADACHE, DIZZINESS, NAUSEA, VOMITING, DIARRHEA.

Medical Cond Aggravated by Exposure:REPEATED SKIN CONTACT MAY AGGRAVATE EXISTING DERMATI TIS.

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

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES- FLUSH WITH WATER FOR 15 MINUTES. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL R ESPIRATION AS NEEDED. INGESTED-IF MORE THAN SEVERAL MOUTHFULS ARE SWALLOWED, GIVE 2 GLASSES OF WATER.

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

Flash Point Method:COC F

lash Point:>400F,>204C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM. WATER 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 IF OVERHEATED.

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

Spill Release Procedures:VENTILATE AREA. AVOID BREATHING VAPOR. WEAR APPROPRIATE PERSONAL PROTECTIVE GEAR. CONTAIN SPILL. WIPE UP OR ABSORB WITH INERT MATERIAL AND SHOVEL UP. PREVENT ENTRY INTO WATERWAYS & SEWERS. AVOID CONTA CT WITH SKIN & CLOTHES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:WATER CONTAMINATION SHOULD BE AVOIDED. MINIMIZE TIME OF EXPOSURE TO HIGH TEMPERATURES. STORE IN A COOL, DRY PLACE AWAY FRO

M STRONG OXIDIZING AGENTS.

Other Precautions:MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION AS REQUIRED TO MAINTAIN EXPOSURE LEVELS.

Protective Gloves:NITRILE IF REQUIRED.

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

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

Supplemental Safety and Health

DRY CLEANING OF CONTAMINATED CLOTHING MAY BE MORE EFFECTIVE THAN NORMAL

LAUNDERING. INFORM INDIVIDUALS RESPONSIBLE FOR CLEANING OF POTENTIAL HAZARDS ASSOCIATED WITH HANDLING CONTAMINATED CLOTHING.

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

HCC:V6

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:0.88 - 0.91

Viscosity:45-215 CST

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:N

OT GIVEN

Appearance and Odor:BRIGHT & CLEAR LIQUID, ODOR NOT SPECIFIED

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:UNDER EXTREME TEMPERATURES OR EXTENDED STORAGE PERIODS, HYDROGEN SULFIDE GAS MAY ACCUMULATE IN HEADSPACE OF CONTAINER.

Hazardous Decomposition Products:HYDROGEN SULFIDE, TOXIC LEVELS OF CARBON MONOXIDE & CARBON DIOXIDE, IRRITATING ALDEHYDES & KETONES,

SULFUR COMPOUNDS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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