

EQUILON ENTERPRISES LLC -- HAVOLINE TWO-CYCLE ENGINE OIL TC-W3,01896 --
9150-01-398-6103

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

Product ID:HAVOLINE TWO-CYCLE ENGINE OIL TC-W3,01896

MSDS Date:01/26/1999

FSC:9150

NIIN:01-398-6103

Status Code:A

MSDS Number: CJTGV

=== Responsible Party ===

Company Name:EQUILON ENTERPRISES LLC

Address:PRODUCT STEWARDSHIP

Box:674414

City:HOUSTON

State:TX

ZIP:77267-4414

Cou

ntry:US

Info Phone Num:877-276-7285

Emergency Phone Num:877-276-7283

Resp. Party Other MSDS Num.:01896ET

Chemtrec Ind/Phone:(800)424-9300

CAGE:3N254

=== Contractor Identification ===

Company Name:EQUILON ENTERPRISES LLC PRODUCT STEWARDSHIP

Address:1111 BAGBY RD RM 4325D

Box:674414

City:HOUSTON

State:TX

ZIP:77267-4414

Country:US

Phone:877-276-7285

CAGE:3N254

Company Name:UNITED PROCUREMENT

Address:3655 RUFFIN RD SUITE 230

Box:City:SAN DIEGO

State:CA

ZIP:92123

Country:US

Phone:619-467-9880

Contra

t Num:SP0450-99-M-NG33
CAGE:0PHG7

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Composition/Information on Ingredients
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Ingred Name:MIXTURE OF BORATE POLYISOBUTENYL SUCCINIC ANHYDRIDE
NITROGEN FUNCTIONALIZED DISPERSANT, ALIPHATIC HYDROCARBONS AND
OTHER COMPONENTS

Minumum % Wt:35.
Maxumum % Wt:49.99
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)
ACGIH STEL:10 MG/M3 (OIL MIST)

Ingred Name:HYDROTREATED HEAVY PARAFFINIC DISTILLATE (PETROLEUM)

CAS:64742-54-7
RTECS #:PY8035500
Minumum % Wt:20.
Max
umum % Wt:34.99
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)
ACGIH STEL:10 MG/M3 (OIL MIST)

Ingred Name:HYDROTREATED LIGHT PARAFFINIC DISTILLATE (PETROLEUM)

CAS:64742-55-8
RTECS #:PY8036500
Minumum % Wt:20.
Maxumum % Wt:34.99
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)
ACGIH STEL:10 MG/M3 (OIL MIST)

Ingred Name:XYLENE

CAS:1330-20-7
RTECS #:ZE2100000
Minumum % Wt:.01
Maxumum % Wt:.09
ACGIH TLV:434 MG/M3;100 PPM
ACGIH STEL:651 MG/M3;150 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Q

ty:1000 LBS

Ingred Name:ETHYL BENZENE

CAS:100-41-4

RTECS #:DA0700000

Fraction by Wt: 0.0041%

OSHA PEL:435 MG/M3;100 PPM

ACGIH TLV:434 MG/M3;100 PPM

ACGIH STEL:543 MG/M3;125 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ORAL, RAT LD50: >5000 MG/KG

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

Health Hazards Acute and Chronic:EYES: MAY CAUSE MINIMAL IRRITATION.

SKIN: BRIEF CONTACT MAY CAUSE IRRITATION.

PROLONGED CONTACT MAY

CAUSE MORE SEVERE IRRITATION & DISCOMFORT. INHALATION: VAPORS OR MISTS, IN EXCESS OF PERMISSIBLE CONCENTRATIONS OR UNUSUALLY HIGH CONCENTRATIONS, MAY CAUSE IRRITATION OF NOSE & THROAT. INGESTION: IF MORE THAN SEVERAL MOUTHFULS ARE SWALLOWED, ABDOMINAL DISCOMFORT, NAUSEA & VOMITING MAY OCCUR. SENSITIZATION: UNKNOWN. CHRONIC: NO ADVERSE EFFECTS HAVE BEEN DOCUMENTED IN HUMANS AS A RESULT OF CHRONIC EXPOSURE.

Explanation of Carcinogenicity

:NONE SPECIFIED BY MANUFACTURER

Effects of Overexposure:EYES-TEMPORARY DISCOMFORT. SKIN-LOCAL REDNESS, SWELLING. INHALED-HEADACHE, NAUSEA, DROWSINESS. INGESTED-ABDOMINAL DISCOMFORT, NAUSEA, VOMITING.

Medical Cond Aggravated by Exposure:REPEATED SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS.

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

First Aid:EYES-FLUSH WITH PLENTY OF WATER FOR SEVERAL MINUTES. GET MEDICAL ATTENTION IF EYE IRRITATION PERSISTS. SKIN

-WASH WITH PLENTY

OF SOAP & WATER FOR SEVERAL MINUTES. GET MEDICAL ATTENTION IF SKIN IRRITATION PERSISTS. INGESTION: GIVE 2 GLASSES WATER (16 OZ.). GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. CLEAR AIRWAY & GIVE ARTIFICIAL RESPIRATION IF BREATHING STOPPED. HAVE QUALIFIED MEDICAL PERSONNEL GIVE OXYGEN IF BREATHING DIFFICULT. GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point Method:COC

Flash

Point:=143.3C, 290.F

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

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND POSITIVE PRESSURE BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:VENTILATE AREA. AVOID BREATHING VAPOR. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, INCLUDING APPROPRIATE RESPIRATORY PROTECTION. CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL & SHOVEL UP. PREVENT ENTRY INTO SEWERS & WATERWAYS. AVOID CONTACT WITH SKIN, EYES OR CLOTHING. IF MORE THAN 609,756 LBS OF PRODUCT SPILLED, REPORT SPILL ACCORDING TO SARA 304/CERCLA.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precaution

s:MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED. PERIODS OF EXPOSURE TO HIGH TEMPERATURES SHOULD BE MINIMIZED. WATER CONTAMINATION SHOULD BE AVOIDED.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:AIRBORNE CONCENTRATIONS SHOULD BE KEPT TO LOWEST LEVELS POSSIBLE. IF VAPOR, MIST OR DUST IS GENERATED AND THE OCCUPATIONAL EXPOSURE LIMIT OF THE PRODUCT OR ANY COMPONENT OF THE

PRODUCT IS EXCEEDED, USE APPROPRIATE NIOSH OR MSHA APPROVED AIR PURIFYING OR AIR SUPPLIED RESPIRATOR AFTER DETERMINING THE AIRBORNE CONCENTRATION OF THE CONTAMINANT.

Ventilation:ADEQUATE TO MEET COMPONENT OCCUPATIONAL EXPOSURE LIMITS.

Eye Protection:SAFETY GLASSES, CHEMICAL TYPE GOGGLES, OR FACE SHIELD RECOMMENDED.

Other Protective Equipment:WORKERS SHOULD WASH EXPOSED SKIN SEVERAL TIMES DAILY WITH SOAP AND WATER. SOILED WORK CLOTHING SHOULD BE LAUNDERED OR DRY-CLEANED.

Work Hygienic Practices:WORKERS SHOULD WASH EXPOSED SKIN SEVERAL TIMES DAILY WITH SOAP & WATER. SOILED WORK CLOTHING SHOULD BE LAUNDERED OR DRY CLEANED.

Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

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

HCC:V6
Boiling Pt:B.P. Text:NOT DETERMINED
Vapor Density:N/D
Spec Gravity:0.872
Viscosity:53.8 CST @ 40.0 C
Solubility in Water:N/D
Appearance and Odor:CLEAR LIQUID, MILD ODOR.

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

STRONG OXIDIZERS.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:N/PTOXIC LEVELS OF CARBON MONOXIDE, CARBON DIOXIDE, IRRITATING ALDEHYDES & KETONES AND COMBUSTION PRODUCTS OR COMPOUNDS OF NITROGEN.
Conditions to Avoid Polymerization:DO NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:ORAL, RAT LD50: >5000 MG/KG. INHALATION: NOT DETERMINED.
DERMAL, RABBIT LD50: >2000 MG/KG. IRRITATION INDEX/ESTIMATION OF IRRITATION/SPECIES: SKIN (DRAIZE): >0.5-3.00 / 8.0 (RABBIT). EYES (DRAIZE): 5013 PPM (RAINBOW TROUT).
MOBILITY: NOT DETERMINED. PERSISTENCE & BIODEGRADABILITY: NOT DETERMINED. POTENTIAL TO BIOACCUMULATE: NOT DETERMINED.

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

Waste Disposal Methods:DOES NOT MEET THE CRITERIA OF A RCRA HAZARDOUS WASTE IF DISCARDED IN ITS PURCHASED FORM. UNDER RCRA, I

THIS IS THE

RESPONSIBILITY OF THE USER OF THE PRODUCT TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER THE PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS WASTE. THIS IS BECAUSE USES, TRANSFORMATIONS, MIXTURES, ETC MAY MAKE THE RESULTING MATERIALS HAZARDOUS.

===== MSDS Transport Information =====

Transport Information:DOT/IMDG/ICAO: NOT REGULATED.

===== Regulatory Information =====

SARA Title III Information:SECTIONS 302/3

04: NONE. SECTION 311 HAZARD

CATEGORIZATION: NOT APPLICABLE. SECTION 313 TOXIC CHEMICAL: NONE.

Federal Regulatory Information:CERCLA 102(A): XYLENE, CAS# 1330-20-7,

0.01-0.9%; ETHYL BENZENE, CAS# 100-41-4, 0.0041%. CERCLA/DOT

HAZARDOUS SUBSTANCES/RQ: XYLENE/100 LBS; ETHYL BENZENE/1000 LBS.

TSCA INVENTORY STATUS: THIS PRODUCT OR IT COMPONENTS ARE LISTED ON OR EXEMPT FROM THE TOXIC SUBSTANCE INVENTORY.

State Regulatory Information:CALIFORNIA PROPOSITION 65: NONE.

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===== Other Information =====

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