

DELTA PETROLEUM CO., INC -- OE/HD0-30, MIL-L-2104C, AUTOMOTIVE MOTOR OIL --
9150-00-186-6681

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

Product ID:OE/HD0-30, MIL-L-2104C, AUTOMOTIVE MOTOR OIL

MSDS Date:04/02/1990

FSC:9150

NIIN:00-186-6681

MSDS Number: BTSDL

=== Responsible Party ===

Company Name:DELTA PETROLEUM CO., INC

Box:10397

City:JEFFERSON

State:LA

ZIP:70181-0397

Country:US

Info Phone Num:504-467-13

99 (ST.ROSE, LA)

Emergency Phone Num:504-467-1399 (ST.ROSE, LA)

Preparer's Name:J.R. SWOAP

CAGE:7A348

=== Contractor Identification ===

Company Name:DELTA PETROLEUM CO., INC

Address:10352 RIVER ROAD,

Box:10397

City:ST. ROSE

State:LA

ZIP:70087

Country:US

Phone:504-832-2732

CAGE:7A348

Company Name:DELTA PETROLEUM INC

Address:9155 BOSTON STREET

City:HENDERSON

State:CO

ZIP:80640

Phone:504-833-2861

CAGE:DO190

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

Ingred Name:SOLVENT-D

EWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATE

CAS:64742-65-0

RTECS #:PY8038500

Fraction by Wt: 90-94% %

Other REC Limits:10 MG/M3 STEL MANUFA

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:ADDITIVE PACKAGE CONTAINING: SULFUR, PHOSPHOROUS, MAGNESIUM AND NITROGEN.

Fraction by Wt: 6-10%

Other REC Limits:NONE SPECIFIED

Ingred Name:PHOSPHORODITHOIC ACID, O-O-D1 C1-14-ALKYL ESTERS, ZINC SALTS (2:1) (ZDDP)

CAS:68649-42-3

Fraction by Wt: 10G/KG (RAT)

Routes of Entry: Inhal

ation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:EYE:NOT DETERMINED; BELIEVED TO BE MINIMALLY IRRITATING. SKIN:NOT DETERMINED; BELIEVED TO BE MINIMALLY IRRITATING. RESPIRATORY SYSTEM:NOT DETERMINED; BELIEVED TO BE MINIMALLY IRRITATING IF NOT IN EXCE SS OF PERMISSIBLE CONCENTRATIONS. CHRONIC:SEE CARCINOGENICITY.

Explanation of Carcinogenicity:NEW & USED MOTOR OILS WERE TESTED FOR CARCINOGENICITY IN LAB MIC

E. ONLY USED MOTOR OILS CAUSED SKIN CANCER.SEE WORK PRAC

Effects of Overexposure:EYES/SKIN: IRRITATION. RESPIRATORY SYSTEM: IRRITATION.

Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN BY MFR ON MSDS.

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

First Aid:EYE:AS WITH MOST FOREIGN MATERIALS, SHOULD EYE CONTACT OCCUR, FLUSH EYES WITH PLENTY OF WATER. SKIN:NONE CONSIDERED NECESSARY. INGESTION:NONE CONSIDERED NECESSARY. INHALATION:NONE CONSIDERED

NECESSARY .

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

Flash Point Method:COC

Flash Point:430F,221C

Lower Limits:N.D.

Upper Limits:N.D.

Extinguishing Media:ACCORDING TO NFPA GUIDE, USE WATER SPRAY, DRY CHEMICAL, "ALCOHOL" FOAM, OR CARBON DIOXIDE. WATER OR FOAM MAY CAUSE FROTH

Fire Fighting Procedures:USE WATER TO COOL FIRE EXPOSED CONTAINERS. IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPORS AND PROTECT PERSONNEL ATTEMPTING ST

OP THE LEAK

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:MAINTAIN MINIMUM FEASIBLE HANDLING TEMPERATURES. MINIMIZE EXPOSURE TO HIGH TEMPERATURES. AVOID WATER CONTAMINATION.

Other Precautions:AVOID SKIN CONTACT W/USED MOTOR OILS WHICH HAVE CAUSED SKIN CANCER IN LAB ANIMALS IF REPEATEDLY APPLIED & LEFT IN PLACE BETWEEN APPLICATIONS. IN CASE OF SKIN CONTACT PROMPTLY WASH W/SOAP & WATER. LAUN DER OIL-SOAKED CLOTHING BEFORE REUSE.

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

Respiratory Protection:NONE REQUIRED IF EXPOSURES ARE WITHIN PERMISSIBLE CONCENTRATIONS.

Ventilation:NORMAL

Protective Gloves:NO INFORMATION GIVEN BY MFR ON MSDS.

Eye Protection:CHEMICAL TYPE GOGGLES OR FACE SHIELD

Other Protective Equipment:NO INFORMATION GIVEN BY MFR ON MSDS.

Work Hygienic Practices:EXPOSED EMPLOYEES SHOULD EXERCISE REASONABLE PERSONAL CLEANLINESS.

Supplemental Safety and Health

EMPLOYEES SHOULD CLEANSE EXPOSED SKIN AREAS SEVERAL TIMES DAILY WITH SOAP & WATER, & LAUNDRER OR DRY CLEAN WORK CLOTHING AT LEAST WEEKLY.

**MSDS RECEIVED FROM NAVY (F/P N). NAVY IDENTIFIED NSN AND CA GE CODE. %FROM CARCINOGENICITY:S

TRICT COMPLIANCE W/OCCUPATIONAL

CONTROL PROCEDURES IS BELIEVED ADEQUATE PROTECTION.

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

HCC:V6

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:N.D.

Vapor Pres:N.D.

Vapor Density:N.D.

Spec Gravity:0.8927

pH:N.A.

Evaporation Rate & Reference:N.D.

Solubility in Water:N.D.

Appearance and Odor:BRIGHT AND CLEAR

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

Stability Indicator/Materials to Avoid:YES
NO INFORM

ATION GIVEN BY MFR ON MSDS.

Stability Condition to Avoid:NO INFORMATION GIVEN BY MFR ON MSDS.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
ALDEHYDES AND KETONES, COMBUSTION PRODUCTS OF NITROGEN AND SULFUR.

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

Waste Disposal Methods:UNDER RCRA,IT IS THE RESPONSIBILITY OF THE USER
OF PRODUCTS TO DETERMINE,AT THE TIME OF DISPOSAL,WHETHER PRODUCT
MEETS RCRA CRITERIA FOR HAZARDOUS WASTE. PROCESS
US

ES,TRANSFORMATIONS,MIXTURE,PROCESSES ,ETC. MAY RENDER THE
RESULTING MATERIALHAZARDOUS.

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