

VALVOLINE OIL CO SUBSIDIARY OF ASHLAND OIL INC. -- NAPA OIL TREATMENT / NAPA OIL TREATMENT 9300 -- 9150-01-335-9884

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

Product ID:NAPA OIL TREATMENT / NAPA OIL TREATMENT 9300

MSDS Date:08/05/1997

FSC:9150

NIIN:01-335-9884

Status Code:A

MSDS Number: CJGRB

=== Responsible Party ===

Company Name:VALVOLINE OIL CO SUBSIDIARY OF ASHLAND OIL INC.

Address:3499 DABNEY DR (OLD IS 200 E MAIN ST)

Box:14000

City:LEXINGTON

State:KY

ZIP:40512

Country:US

Info Phone Num:606-357-7847

Emergency Phone Num:800-274-5263

Resp. Party Other MSDS Num.:505.0173630-007.008

CAGE:72527

=== Contractor Identification ===

Company Name:ASHLAND INC

Address:1409 WINCHESTER AVE

Box:391

City:ASHLAND

State:KY

ZIP:41114

Country:US

Phone:800-622-6846

CAGE:81355

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETNA

State:LA

ZIP:70056

Country:US

Phone:504-366-9105

Con

tract Num:SP0450-99-M-C328
CAGE:0PGK2
Company Name:VALVOLINE OIL CO
Address:3499 BLAZER PKY
Box:14000
City:LEXINGTON
State:KY
ZIP:40512
Country:US
Phone:606-357-7206 / 800-274-5263
CAGE:72527

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Composition/Information on Ingredients
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Ingred Name:DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY
PARAFFINIC/ALIPHATIC PETROLEUM DISTILLATES

CAS:64742-65-0

Code:F

RTECS #:PY8038500

Fraction by Wt: BALANCE

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH

TLV:5 MG/M3 (OIL MIST)

Ingred Name:BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE,
HYDROGENATED/STYRENE-ETHYLENE/PROPYLENE BLOCK COPOLYMER

CAS:68648-89-5

Code:F

Minumum % Wt:1.

Maxumum % Wt:10.

Other REC Limits:NONE RECOMMENDED

Ingred Name:PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC
SALTS/ZINC C1-C14 ALKYLDITHIOPHOSPHATE

CAS:68649-42-3

Code:F

= Wt:1.9

Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50

Mixture:ACGIH TLV 5 MG/M3 - TWA OIL MIST

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

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

Health Hazards Acute and Chronic:TARGET ORGANS: UNKNOWN. ACUTE -
INHALATION: BREATHING OF VAPOR OR MIST IS POSSIBLE. EYE: LIQUID
CONTACT WITH EYES MAY RESULT IN MILD IRRITATION AND REDNESS. SKIN:
LIQUID CONTACT MAY RESULT IN IRRITATION, BURNING OF SKIN, AND
OTHER SKIN DAMAGE. SWALLOWING: SWALLOWING SMALL AMOUNTS OF THIS
MATERIAL

L DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL
EFFECTS. SWALLOWING LARGE AMOUNTS MAY BE HARMFUL. CHRONIC -
UNKNOWN.

Explanation of Carcinogenicity:NO DATA

Effects of Overexposure:STINGING, TEARING, REDNESS OF EYES; REDNESS,
BURNING, DRYING AND CRACKING OF SKIN; NAUSEA, VOMITING, DIARRHEA,
IRRITATION OF NOSE, THROAT, RESPIRATORY TRACT

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First Aid Measures
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First Aid:INHALATION: IF SYMPTOMS DEVELOP, MOVE INDIVIDUAL AWAY FROM

EXPOSURE AND INTO FRESH AIR. IF SYMPTOMS PERSIST, SEEK MEDICAL
ATTENTION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. EYE
CONTACT: IF SYMPTOMS DEVELOP, MOVE INDIVIDUAL AWAY FROM EXPOSURE
AND INTO FRESH AIR. FLUSH EYE GENTLY WITH WATER WHILE HOLDING
EYELIDS APART. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. SKIN:
REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP AND
WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. LAUNDRY
CLOTHING BEFORE REUSE.

INGESTION: DO NOT INDUCE VOMITING. GIVE ONE
GLASS OF MILK OR WATER, AND SEEK MEDICAL ATTENTION. DO NOT LEAVE
VICTIM

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Fire Fighting Measures
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Flash Point Method:COC

Flash Point:201.7C, 395.F

Lower Limits:N/D

Upper Limits:N/D

Extinguishing Media:REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE
VIOLENT AND POSSIBLY ENDANGER THE LIFE OF THE FIREFIGHTER. WEAR A
SELF-CONTAINING

NED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED
IN THE POSITIVE PRESSURE DEMAND MODE WITH APPROPRIATE TURN-OUTGEAR
AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard:NEVER USE WELDING OR CUTTING TORCH ON OR
NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN
IGNITE EXPOSIVELY. DENSE SMOKE MAY BE GENERATED WHILE BURNING.

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

Spill Release Procedures:WEAR PROTECTIVE
EQUIPMENT. STOP SPILL AT
SOURCE, DIKE AREA OF LARGE SPILLS TO PREVENT SPREADING, PUMP
LIQUID TO SALAVAGE TANK. REMAINING LIQUID OR SMALL SPILLS MAY BE
TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT OR OTHER ABSORBENT
MATERIALAND SHOVELED INTO CONTAINERS FOR DISPOSAL. CLEAN AREA
THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION. PREVENT RUNOFF FROM
ENTERING SEWERS/WATERWAYS.

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

Other Precautions:CONTAINERS OF
THIS MATERILA MAY BE HAZARDOUS WHEN
EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPORS,
LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA
SHEET MUST BE OBSERVED. KEEP OUT OF REACH OF CHILDREN. AVOID
BREATHING VAPORS OR MIST. DO NOT GET IN EYE, ON SKIN OR ON
CLOTHING.

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

Respiratory Protection:NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.
HOWEVER, IF OIL MISTS ARE GENERATED ABOVE RECOMMENDED PEL/TLV OF 5
MG/M3, THEN A NIOSH/MSHA APPROVED RESPIRATOR IS ADVISED IN ABSENCE
OF PROPER ENVIRONMENTAL CONTROL.
Ventilation:NOT REQUIRED UNDER NORMAL CONDITIONS. IF UNUSUAL OPEATING
CONDITIONS EXIST, THEN PROVIDE SUFFICIENT MECHANICAL VENTILATION TO
MAINTAIN EXPOSURE BELOW PEL/TLV.
Protective Gloves:NITRILE RUBBER FOR PROLONGED/REPEATED CONTACT
Eye Protection:NOT REQUIRED. SAFETY GLASSES OR CHEMICAL SPLASH GOGGLES
IF MISTING OR SPLASHING
Other Protective Equi

ment:WEAR NORMAL WORK CLOTHING COVERING ARMS AND LEGS. EYE BATH, WASHING FACILITY

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

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

HCC:V6

Boiling Pt:B.P. Text:NO DATA

Spec Gravity:.878 @ 60 F

Viscosity:1100.0-1400.0 CST

Evaporation Rate & Reference:SLOWER THAN ETHER

Appearanc

e and Odor:AMBER LIQUID WITH PETROLEUM ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:MAY FORM CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS.

Conditions to Avoid Polymerization:PRODUCT WILL NOT UNDERGO HAZARDOUS POLYMERIZATION.

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

Toxicological Information:NO DATA

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= Ecological Information =====

Ecological:NO DATA

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

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

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

SARA Title III Information:SECTION 313: ZIN C1-C14 ALKYL DITHIOPHOSPHATE

Federal Regulatory Information:TSCA STATUS: THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED ON T

HE TOXIC SUBSTANCE CONTROL ACT
(TSCA) INVENTORY REPORTING LIST.

State Regulatory Information:NONE

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