

VALVOLINE OIL CO -- PETROLEUM-BASED LUBRICATING OIL -- 2805-01-337-1179

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

Product ID:PETROLEUM-BASED LUBRICATING OIL

MSDS Date:03/20/1998

FSC:2805

NIIN:01-337-1179

Status Code:A

Kit Part:Y

MSDS Number: CLDXN

=== Responsible Party ===

Company Name:VALVOLINE OIL CO

Address:3499 BLAZER PKY

Box:14000

City:LEXINGTON

State:KY

ZIP:40512

Country:US

Info Phone Num:606-357-7

206 / 800-274-5263

Emergency Phone Num:800-274-5263

CAGE:72527

=== Contractor Identification ===

Company Name:ONAN CORP; SUB OF CUMMINS ENGINE CO INC.

Address:1400 73RD AVE NE

Box:City:MINNEAPOLIS

State:MN

ZIP:55432

Country:US

Phone:612-574-5912/ 612-574-5564

Contract Num:SP0770-97-C-4023

CAGE:44940

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

===== Composition/Information on In

gredients =====

Ingred Name:PETROLEUM LUBE OIL
CAS:64742-65-0
RTECS #:PY8038500
Minumum % Wt:74.
Maxumum % Wt:84.
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:DETERGENT / DISPERSANT ENGINE OIL PACKAGE
Minumum % Wt:9.
Maxumum % Wt:19.

Ingred Name:VISCOSITY INDEX IMPROVER
Minumum % Wt:2.6
Maxumum % Wt:13.

Ingred Name:ZINC COMPOUNDS
Minumum % Wt:1.
Maxumum % Wt:6.

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

Health Hazards Acute and Chr

onic:EYES: MAY CAUSE MILD IRRITATION. SKIN:

MAY CAUSE MILD IRRITATION. PROLONGED OR REPEATED EXPOSURE MAY DRY
SKIN. INGESTION: SINGLE DOSE ORAL TOXICITY IS LOW. SWALLOWING
SMALL AMOUNTS DURING NORMAL HAND LING IS NOT LIKELY TO CAUSE
HARMFUL EFFECTS; SWALLOWING LARGE AMOUNTS MAY BE HARMFUL.
INHALATION: EXPOSURE IS POSSIBLE UNDER CERTAIN CONDITIONS OF
HANDLING AND USE (FOR EXAMPLE, DURING HEATING, SPRAY ING, OR
STIRRING). SYMPTOMS ARE MORE TYPICALLY SEEN AT AIR CONCENT

RATIONS

EXCEEDING THE RECOMMENDED EXPOSURE LIMITS.

Explanation of Carcinogenicity:USED MOTOR OIL HAS BEEN SHOWN TO CAUSE
SKIN CANCER IN LABORATORY ANIMALS CONTINUALLY EXPOSED BY REPEATED
APPLICATIONS. AVOID PROLONGED OR REPEATED SKIN CONTACT.

Effects of Overexposure:EYES: STINGING, TEARING, AND REDNESS. SKIN:

REDNESS, BURNING, DRYING, CRACKING, AND SKIN BURNS. INGESTION:
SMALL AMOUNTSNOT LIKELY TO CAUSE HARMFUL EFFECTS; LARGE AMOUNTS MAY
BE HARMFUL. INHALATION: G ASTROINT

ESTINAL IRRITATION, NAUSEA,
VOMITING, DIARRHEA, IRRITATION OF NOSE, THROAT, RESPIRATORY TRACT
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE
AGGRAVATED BY EXPOSURE TO THIS MATERIAL. PRE-EXISTING LUNG
DISORDERS, ASTHMA-LIKE CONDITIONS, MAY BE AGGRAVATED BY EXPOSURE TO
THIS MATERIAL, ABDOMINAL PAIN.

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

First Aid:EYES: MOVE TO FRESH AIR. FLUSH WITH WATER WHILE HOLDING
EYELIDS APART. IF S
YMPTOMS PERSIST, GET MEDICAL ATTENTION. SKIN:
REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. WASH EXPOSED
AREA WITH S OAP AND WATER. IF SYMPTOMS PERSIST, GET MEDICAL
ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE ONE GLASS OF
MILK OR WATER, AND GET MEDICAL ATTENTION. IF POSSIBLE, DO NOT LEAVE
VICTIM UNATTENDED. I NHALATION: MOVE TO FRESH AIR. GET MEDICAL
ATTENTION. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF
BREATHING DIFFICULT, GIVE OXYGEN.

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

Flash Point Method:COC
Flash Point:>198.9C, 390.F
Extinguishing Media:REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICAL. WATER
OR FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT AND POSSIBLY
ENDANGER THE LIFE OF THE FIREFIGHTER.
Fire Fighting Procedures:WEAR A SELF-CONTAINED BREATHING APPARATUS WITH
A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE
WITH APPROPRIATE TURN-OUT GEAR AND CHEMICAL RESISTANT PERSONAL

PROTECTIVE EQUIPMENT. REFE R TO PERSONAL PROTECTIVE EQUIPMENT
SECTION OF THIS MSDS.
Unusual Fire/Explosion Hazard:HAZARDOUS PRODUCTS OF COMBUSTION: MAY
FORM CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF SULFUR, NITRIGEN
AND PHOSPHORUS, VARIOUS HYDROCARBONS. NEVER USE WELDING OR CUTTING
TORCH ON OR NEAR (EVEN EMPTY) BECAUSE PRODUCT(EVEN JUST RESIDUE)
CAN IGNITE EXPLOSIVELY. DENSE SMOKE MAY BE GENERATED WHILE BURNING.

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

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Spill Release Procedures:ABSORB SMALL SPILL ON VERMICULITE, FLOOR
ABSORBENT OR OTHER ABSORBENT. LARGE SPILL: PREVENT RUN-OFF TO
SEWERS, STREAMS, OTHER BODIES OF WATER. IF RUN-OFF OCCURS, NOTIFY
AUTHORITIES AS REQUIRED. STOP S PILL AT SOURCE, DIKE AREA TO
PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID
MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR OR OTHER ABSORBENT
MATERIAL AND SHOVELED INTO CONTAINERS.

===== Handling and Storage
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Handling and Storage Precautions:CONTAINERS OF THIS MATERIAL MAY BE
HAZARDOUS WHEN EMPTIED. SICE EMPTIED CONTAINERS RETAIN PRODUCT
RESIDUES (VAPOR, LIQUID, AND/ OR SOLID), ALL HAZARD PRECAUTIONS
GIVEN IN THE DATA SHEET MUST BE OBSERVE D.

===== 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 ENVIRONMENT AL CONTROL. (CONSULT YOUR INDUSTRIAL
HYGIENIST.)

Ventilation:NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. IF NEEDED,
PROVIDE SUFFICIENT MECHANICAL (GENERAL) OR LOCAL EXHAUST
VENTILATION TO MAINTAIN EXPOSURE BELOW PEL/TLV

Protective Gloves:NOT NORMALLY REQUIRED. RESISTANT GLOVES TO PREVENT
IRRITATION FROM CONTACT.

Eye Protection:NOT REQUIRED FOR NORMAL CONDITIONS. SAFETY GLASSES /
SPLASH GOGGLES I
F MISTING

Other Protective Equipment:NOT NORMALLY REQUIRED. HOWEVER, WEAR
RESISTANT GLOVES SUCH AS NITRIL RUBBER TO PREVENT IRRITATION FROM
PROLONGED OR REPEATED SKIN CONTACT. WEAR NORMAL WORK CLOTHING
COVERING ARMS AND LEGS.

Supplemental Safety and Health

THIS ENTRY DESCRIBES PART 4 (LUBRICATING OIL, SERIAL NUMBER XXXXX) OF
A FOUR PART KIT. SEE THIS SAME NSN FOR P/N 525-0614 PAINT SPRAY,
SERIAL NUMBER CLDWF; AND LEAD ACID BATTERY, SERIAL NUMBER CLDXG ;
AND FOR SERIAL

NUMBER CLDVW, GASOLINE ENGINE FOR DATA ON OTHER
THREE KIT PARTS.

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

HCC:V6

Boiling Pt:>425.C, 797.F

Spec Gravity:0.880 @ 60F (7.37 LBS/GL)

Viscosity:< 3300 CPS

Evaporation Rate & Reference:SLOWER THAN ETHER.

Appearance and Odor:AMBER COLOR LIQUID WITH PETROLEUM ODOR.

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS

Hazardous Decomposition Products:MAY FORM: CARBON DIOXIDE AND CARBON
MONOXIDE, OXIDES OF SULFUR, NITROGEN AND PHOSPHORUS, VARIOUS
HYDROCARBONS.

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

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

Toxicological Information:NO DATA

===== Ecological Information =====

Ecological:NO DATA.

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

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Waste Disposal Methods:DISPOSE OF IN ACORDANCE WITH ALL APPLICABLE
LOCAL, STATE, AND FEDERAL REGULATIONS.

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

Transport Information:DOT INFORMATION - 49CFR 172.101: DOT DESCRIPTION:
NOT REGULATED. CONTAINER / MODE: CASES / SURFACE - NO EXEMPTIONS.
N.O.S. COMPONT: NONE. RQ (REPORTABLE QUANTITY) 49 CFR 172.101: NOT
APPLICABLE.

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

SARA Title

III Information:SARA 302 COMPONENTS - 40 CFR 355 APPENDIX A:
NONE. SECTION 311 / 312 HAZARD CLASS - 40 CFR.2: IMMEDIATE;
DELAYED. SARA 313 COMPONENTS - 40 CFR 372.65: SECTION 313
COMPONENTS: ZUNC COMPOUNDS; 1.38 MAX. %.
Federal Regulatory Information:TSCA (TOXIC SUBSTANCES CONTROL ACT)
STATUS: TSCA (UNITED STATES) THE INTENTIONAL INGREDIENTS OF THIS
PRODUCT ARE LISTED. CERCLA RQ - 40 CFR 302.4: NONE.
State Regulatory Information:CALIFORNIA PROPOSITION 65: NONE.

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

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