

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.

===== 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 =====

=====

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 SPILL 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

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

===== 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/M<sup>3</sup>, THEN A NIOSH/MSHA APPROVED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL 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 IF MISTING

Other Protective Equipment: NOT NORMALLY REQUIRED. HOWEVER, WEAR RESISTANT GLOVES SUCH AS NITRILE 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 =====

=====

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.

=====

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

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the sui  
tability of this information to their  
particular situation.