

VALVOLINE OIL CO -- TECTYL 275 -- 8030-00-281-2338

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

Product ID:TECTYL 275
MSDS Date:03/26/1991
FSC:8030
NIIN:00-281-2338
MSDS Number: BQGMQ
=== Responsible Party ===
Company Name:VALVOLINE OIL CO
Address:3499 DABNEY DRIVE
Box:14000
City:LEXINGTON
State:KY
ZIP:40512
Country:US
Info Phone Num:606-264-7000
Emergency Phone Num:800-274-5263
CAGE:72527
=== Contractor I
dentification ===
Company Name:RALRUBE INC.
Address:36977 FOX GLEN
Box:City:FARMINGTON HILLS
State:MI
ZIP:48331
Country:US
Phone:248-661-0260, FAX 248-661-3941
CAGE:6X798
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 =====

Ingred Name:ALIPHATIC PETROLEUM DISTILLATES (NIOSH RECOMMENDS LIMIT OF
350 MG/M3-8 HR TWA, 1800 MG/M

3 DETERMINED BY 15 MIN SAMPLE)
CAS:64475-85-0
RTECS #:PY8240000
Fraction by Wt: 25-40%
Other REC Limits:NIOSH LIMITS ABOVE
OSHA PEL:100 PPM
ACGIH TLV:100 PPM

Ingred Name:ALIPHATIC PETROLEUM DISTILLATES (AS OIL MIST)
CAS:64742-53-6
RTECS #:PY8036000
Fraction by Wt: 25-40%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3;STEL 10MG/M3

Ingred Name:ETHYLENE GLYCOL MONOBUTYL ETHER (SARA III) (NIOSH
RECOMMENDS 5 PPM TWA-10 HR WKDAY & 40 HR WKWEEK) (ABSORBED THRU
SKIN)
CAS:11
1-76-2
RTECS #:KJ8575000
Fraction by Wt: 10-15%
Other REC Limits:NIOSH LIMITS ABOVE
OSHA PEL:S, 50 PPM
ACGIH TLV:S, 25 PPM; 9293

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

Health Hazards Acute and Chronic:ACUTE; EYE: SEVERE IRRIT, REDNESS,
TEARING, BLURRED VISION. INHAL: NASAL & RESP IRRIT, CENTRL NERV SYS
EFFECTS (DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE,
UNCONSCIOUSNESS, DEATH). SKIN: ABSORBED W/TOXIC EFFECTS. INGEST:
GI IRRITATION,NAUSEA, VOM
ITING, DIARRHEA. ASPIRATION INTO
LUNGS-CHEM PNEUMONITIS-CAN BE FATAL.

Effects of Overexposure:CHRONIC; ETHYLENE GLYCOL MONOBUTYL ETHER
(GLYCOL ETHER EB) CAUSES HARM TO THE FETUS IN ANIMAL STUDIES. HARM
TO FETUS OCCURS AT EXPOSURE LEVELS THAT HARM PREGNANT ANIMAL.
OVEREXPOSURE IN ANIMALS FOUND TO CAUSE: ANEMIA, LIVER
ABNORMALITIES, KIDNEY DAMAGE, LUNG DAMAGE, BLOOD ABNORMALITIES,
TESTIS DAMAGE, SPLEEN DAMAGE.

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

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First Aid:SKIN: WASH W/SOAP & WATER. REMOVE CONTAM CLOTH. REMOVE CONTAM SHOES PROMPTLY. DISCARD SATURATED SHOES. EYES: FLUSH W/LRG AMTS WATER, LIFT EYELIDS, GET MED AID. INGEST:DONT INDUCE VOMIT. KEEP WARM, QUI ET, GET MED AID. ASPIRATION INTO LUNGS CAN CAUSE CHEM PNEUMONITIS (CAN BE FATAL). INHAL:MOVE TO FRESH AIR. IF BREATH DIFFICULT, GIVE OXYGEN; IF STOPPED, GIVE ARTIF RESP. KEEP WARM, QUIET, GET MED AID.

===== Fire Fighting Measures =====
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Flash Point:100F,38C

Lower Limits:1.0

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

Fire Fighting Procedures:WEAR SCBA W/FULL FACEPIECE (POSITIVE PRESSURE DEMAND MODE). WATER/FOAM MAY CAUSE FROTHING (VIOLENT/ENDANGER LIFE ESPECIALLY WHEN SPRAYD INTO HOT BURN LIQ CNTNR)

Unusual Fire/Explosion Hazard:DONT WELD/CUT ON/NEAR DRUM(EVEN EMPTY), IGNITE EXPLOSIVLY.VAPOR HEAVIER THAN AIR,TRAVEL ON GRND IGNITE AT DISTANT LOCATN.GRND/BOND 5 GAL+ PAILS/CNTN R WHEN TRANSF

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

Spill Release Procedures:SMALL:ABSORB ON VERMIC,FLOOR ABSORB,ETC. TRANSFR TO HOOD.LRG:ELIM IGNIT SOURCE.EVAC NON PROTECTED PEOPLE.STOP SPILL AT SOURCE.PREVENT ENTERING DRAIN,SEWER,WATER BODIES.NOTIFY IF OCCURRED. PUMP/VACUUM TO CLEAN CNTNR.ABSORB UNRECOVERABLE.TRANSFR TO CNT

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

Handling and Storage Precautions:COMBUSTIBLE LIQ/VAPO R(NA 1993).

MAINTAIN AMBIENT AIR CONC OF VOLATILE COMPONENTS BELOW TLV. DONT TRANSFR TO UNLABELD CNTNR. USE/STORE W/ADEQUATE VENT.

Other Precautions:DONT USE CUT/WELD TORCH ON CONTAINER (EVEN EMPTY-FOLLOW ALL PRECAUTIONS IN MSDS). KEEP AWAY FROM HEAT, IGNIT SOURCE. AVOID CONTACT W/EYES & SKIN. MINIMIZE EXPOSURE THRU GOOD HYGENIC PRACTICES. 24-HOUR EMERG #: 800-ASHLAND.

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

Respiratory Protection:ABOVE TLV, NIOS

H/MSHA AIR SUPPLIED RESPIRATOR

ADVISED. OSHA REGS PERMIT OTHER NIOSH/MSHA RESPIRATOR (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS. IMPLEMENT ENGINEERING OR ADMINISTRATIVE CONTROL S TO REDUCE EXPOSURE.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL/LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLVS.

Protective Gloves:RESISTANT GLOVES (NITRILE RUBBER)

Eye Protection:CHEM SPLASH GOGGLES, SAFETY GLASSES

Other Protective Equipment:WEAR OTHER PROTECTIVE EQUIP ESSENTI AL FOR

OPERATION. TO PREVENT REPEATED/PROLONGED CONTACT,WEAR IMPERVIOUS BOOTS, CLOTH.

Work Hygienic Practices:WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:F4

Boiling Pt:B.P. Text:318F,159C

Vapor Pres:2 @ 20 C

Vapor Density:> AIR

Spec Gravity:.852 TO .876

Evaporation Rate & Reference:SLOWER THAN ETHER

Appearance and Odor:LIQUID

Percent Volatiles by Volume:55-70

===== Sta bility and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

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

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

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