

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

===== 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 Identification ===

Company Name:RALRUBE INC.

Address:36977 FOX GLE

N

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

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

Ingred Name:ALIPHATIC PETROLEUM DISTILLATES (NIOSH RECOMMENDS LIMIT OF  
350 MG/M3-8 HR TWA, 1800 MG/M3 DETERMINED BY 15 MIN SAMPLE)

CAS:64475-85-0

RTECS #:PY8240000

F

raction 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:111-76-2  
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, VOMITING, DIARRHEA. ASPIRATION INTO  
LUNGS-CHEM PNEUMONITIS-CAN B  
E 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 =====

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 =====

Flash Point:100F,38C  
Lower Limits:1.0  
Extinguishin  
g 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 EXPLOSVLY.VAPOR HEAVIER THAN AIR,TRAVEL ON GRND IGNITE AT  
DISTANT LOCATN.GRND/BOND 5 GAL+ PAILS/CNTNR 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/VAPOR(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, NIOSH/MSHA AIR SUPPLIED RESPIRATOR  
ADVISED. OSHA REGS PERMIT OTHE

R NIOSH/MSHA RESPIRATOR (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS. IMPLEMENT ENGINEERING OR ADMINISTRATIVE CONTROLS 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 ESSENTIAL 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

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

Stability Indicators

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.

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 suitability of this information to their particular situation.