

VALVOLINE, INC -- TECTYL Q 1449 A -- 9150-01-030-0632

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

Product ID:TECTYL Q 1449 A  
MSDS Date:08/09/1990  
FSC:9150  
NIIN:01-030-0632  
MSDS Number: BJDTT  
=== Responsible Party ===  
Company Name:VALVOLINE, INC  
Address:200 E MAIN ST  
Box:14000  
City:LEXINGTON  
State:KY  
ZIP:40512  
Country:US  
Emergency Phone Num:606-264-7000  
CAGE:FO793

=== 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: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  
Company Name:VALVOLINE, INC  
Address:3499 DABNEY DR.  
Box:14000  
City:LEXINGTON  
State:KY  
ZIP:40512  
Phone:(606) 264-7000  
CAGE:FO793

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

Ingred Name:LUBE OIL

ADDITIVE (30% BARIUM CMPD; 30% ZINC CMPD)

Fraction by Wt: 5-10%

Ingred Name:PETROLEUM LUBE OIL

CAS:64742-65-0

RTECS #:PY8038500

Fraction by Wt: 55-70%

OSHA PEL:5MG/M3 (OIL MIST)

ACGIH TLV:5MG/M3;STEL-10MG/CUM

Ingred Name:N-BUTYL ALCOHOL (SARA III)

CAS:71-36-3

RTECS #:EO1400000

Fraction by Wt: 10-15%

OSHA PEL:100 PPM

ACGIH TLV:S, C 50 PPM; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MA  
NUFACTURER.

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

Health Hazards Acute and Chronic:CHRONIC: MAY CAUSE CNS DEPRESSION  
AND/OR EYE DAMAGE.

Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.

Effects of Overexposure:ACUTE:CAN CAUSE EYES MODERATE

IRRITATION,REDNESS,TEARING;SKIN:SLIGHT IRRITATION; SWALLOWING:GI  
IRRITATION,NAUSEA,VOMITING,& DIARRHEA; BREATHING:(OF MIST)

IRRITATION OF NASAL & RESPIRATORY PASSAGES. CH RONIC:CAN CAUSE  
ANEMIA, & LIVER,KIDNEY,

EYE & LUNG DAMAGE IN LAB ANIMALS. MAY CAUSE  
EYE DAMAGE IN HUMANS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN:THOROUGHLY WASH EXPOSED AREA W/SOAP & WATER. REMOVE  
CONTAMINATED CLOTHING; LAUNDER BEFORE RE-USE. REMOVE CONTAMINATED  
SHOES PROMPTLY & DISCARD. EYES:FLUSH W/LARGE AMOUNTS OF WATER.  
SWALLOWED:DO NOT INDUCE VOMITING. KEEP PERSON WARM, QUITE & GET  
MEDICAL ATTEN

TION.

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

Flash Point Method:CC

Flash Point:90 F OR 32 C

Lower Limits:1.4%

Extinguishing Media:REGULAR FOAM OR CARBON DIOXIDE OR DRY CHEMICAL

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN A POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.WATER/FOAM MAY CAUSE VIOLENT FROTHNG

Unusual Fire/Explosion Hazard:NEVER USE WELDING OR CUTTING TORCH ON/NEAR DRUM (EVEN EMPTY)BEC

AUSE PRODUCT CAN IGNITE

EXPLOSIVELY.GROUND/BOND-5 GAL PAILS & LARGER WHEN MATERIAL IS TRANSFERRED

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

Spill Release Procedures:SMALL:ABSORB LIQUID ON PAPER OR OTHER ABSORBENT MATL. LARGE:ELIM. ALL IGNIT SOURCES. EXCLUDE PERSONS W/O PPE FROM AREA. STOP SPILL AT SOURCE;DIKE SPILL AREA; PUMP LIQUID TO SALVAGE TANK. CONTINUE W/SM ALL SPILL PROC. PROTECT WATER BODIES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP AWAY HEAT,SPARKS,FLAME.STORE W/ADEQUATE VENT. MAINTAIN AMBIENT AIR CONC BELOW PEL. AVOID CONTACT W/EYES.DO NOT USE CUTTING/WELDING TORCH ON CONTR

Other Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED DUE TO PRODUCT RESIDUES (VAPOR, LIQUID AND/OR SOLID). ALL HAZARD PRECAUTIONS MUST BE OBSERVED.

===== Exposure Controls/Personal Protection

=====

Respiratory Protection:NIOSH/MSHA RESPIRATOR IF PEL IS EXCEEDED. NEGATIVE PRESSURE NIOSH/MSHA RESPIRATOR CAN BE USED AS SPECIFIED BY SAFETY EQUIPMENT SUPPLIER. IMPLEMENT ENGINEERING & ADMINISTRATIVE CONTROLS ALSO.

Ventilation:PROVIDE SUFFICIENT GENERAL AND/OR LOCAL EXHAUST VENTILATION.

Protective Gloves:RESISTANT GLOVES.

Eye Protection:WEAR SAFETY GOGGLES OR GLASSES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:MINIMIZE EXPOSU

RE THROUGH GOOD HYGIENIC PRACTICES.

Supplemental Safety and Health

SKIN ABSORPTION MAY POTENTIALLY CONTRIBUTE TO THE OVERALL EXPOSURE TO THIS MATERIAL. APPROPRIATE MEASURES SHOULD BE TAKEN TO PREVENT SKIN ABSORPTION SO THAT TLV IS NOT INVALIDATED.

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

Boiling Pt:B.P. Text:243 F @ NTP

Vapor Pres:4.40MM HG

Vapor Density:>AIR

Spec Gravity:.910 @ 60 F

Evaporation Rate & Reference:SLOWER THAN ETHER

Percent Volatiles by

Volume:10-25

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

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

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

Waste Disposal Methods:DISPOSE OF I/A/W 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.