

VALVOLINE OIL CO -- TECTYL 890 -- 8030-00-062-6950

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

Product ID:TECTYL 890
MSDS Date:02/10/1995
FSC:8030
NIIN:00-062-6950
Status Code:A
MSDS Number: CLQZT
=== Responsible Party ===
Company Name:VALVOLINE OIL CO
Address:3499 BLAZER PKY
Box:14000
City:LEXINGTON
State:KY
ZIP:40512
Country:US
Info Phone Num:606-357-7206 / 800-274-5263
Emergency Phone Num:1-800-274-526

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Preparer's Name:ERNEST CARTER
Chemtec Ind/Phone:(800)424-9300
CAGE:72527

=== Contractor Identification ===

Company Name:VALVOLINE OIL CO
Address:3499 BLAZER PKY
Box:14000
City:LEXINGTON
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===== Composition/Information on Ingredients =====

Ingred Name:ALIPHATIC HYDROCARBONS(STODDARD TYPE)
CAS:8052-41-3
Code:F
RTECS #:WJ8925000
Minumum % Wt:36.
Maxumum % Wt:46.
OSHA PEL:2900 MG/M3;500 PPM
ACGIH TLV:525

MG/M3;100 PPM

Ingred Name:ASPHALT
CAS:8052-42-4
RTECS #:CI9900000
Minumum % Wt:28.
Maxumum % Wt:38.
ACGIH TLV:5 MG/M3

Ingred Name:ALIPHATIC PETROLEUM DISTILLATES
CAS:64741-56-6
Code:F
RTECS #:VG7069000
Minumum % Wt:9.
Maxumum % Wt:19.

Ingred Name:AROMATIC PTEROLEUM DISTILLATES
CAS:64742-95-6
Code:F
RTECS #:WF3400000
Minumum % Wt:0.
Maxumum % Wt:10.

Ingred Name:LEAD TALLATE
CAS:61788-54-3
Minumum % Wt:1.
Maxumum % Wt:11.

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

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Health Hazards Acute and Chronic:EYE: CAN CAUSE EYE IRRITATION.

SYMPTOMS INCLUDE STINGING, TEARING, REDNESS, AND SWELLING OF EYES.
SKIN: MAY CAUSE MILD SKIN IRRITATION. PROLONGED OR REPEATED CONTACT
MAY DRY THE SKIN. SYMPTOMS MAY INC LUDE REDNESS, BURNING, DRYING
AND CRACKING OF THE SKIN, AND SKIN BURNS. SWALLOWING: SWALLOWING
SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL HANDLING IS NOT LIKELY
TO CAUSE HARMFUL SIDE EFFECTS. SWALLO WING LARGE AMOUNTS MAY BE
HARMFUL. THI

S MATERIAL CAN ENTER THE LUNGS DURING SWALLOWING OR
VOMITING AND CAUSE LUNG INFLAMATION AND/OR DAMAGE. INHALATION:
BREATHING OF VAPOR OR MIST IS POSSIBLE. BREATHI NG SMALL AMOUNTS OF
THIS MATERIAL DURING

Effects of Overexposure:SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL
HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. BREATHING LARGE
AMOUNTS MAY BE HARMFUL. STOMACH OR INTESTINAL UPSET (NAUSEA,
VOMITING, DIARRHEA), IRRITATI ON (NOSE, THROAT, AIRWAYS), CENTRAL
NERVOUS

SYSTEM DEPRESSION (DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS), AND DEATH. OVEREXPOSURE TO THIS MATERIAL (OR ITS COMPONENTS) HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS, AND MAY AGGRAVATE PREEXISTING DISORDERS OF THESE ORGANS: CENTRAL NERVOUS SYSTEM EFFECTS, BLOOD ABSORMALITIES, LIVER ABNORMALITIES, R EPRODUCTIVE EFFECTS, URINARY SYSTEM DAMA

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

First

Aid:EYES: IF SYMPTOMS DEVELOP, MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. FLUSH EYES GENTLY WITH WATER WHILE HOLDING EYELIDS APART. IF SYMPTOMS PERSIST OR THERE IS ANY VISUAL DIFFICULTY, SEEK MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP AND WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. LAUNDRER CLOTHING BEFORE REUSE. SWALLOWING: DO NOT INDUCE VOMI TING. THIS MATERIAL IS AN ASPIRATION HAZARD. IF INDIVIDUAL IS DRO WSY OR UNCONSCIOUS, PLACE ON LEFT SIDE WITH THE HEAD DOWN. SEEK MEDICAL ATTENTION. IF POSSIBLE, DO NOT LEAVE INDIVIDUAL UNATTENDED. INH ALATION: IF SYMPTOMS DEVELOP, IMMEDIATEL

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

Flash Point:>37.8C, 100.F

Lower Limits:1.0%

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

Fire Fighting Procedures:WEAR A SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAN D MODE WITH APPROPRIATE TURN-OUT GEAR AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT. REFER TO THE PERSONAL PROTECTIVE EQUIPMENT SECTION OF THIS MSDS.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY HEAT, PILOT LIGHTS, OTHER FLAMES AND IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PROD

UCT (EVEN JUST
RESIDUE) CAN IGNITE EX

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

Spill Release Procedures:SMALL SPILLS: ABSORB LIQUID ON VERMICULITE,
FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL. LARGE SPILLS:
ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT
LIGHTS, ELECTRICAL SPARKS.) PERSON S NOT WEARING PROTECTIVE
EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN UP HAS
BEEN COMPLETED. STOP SPILL AT SOURCE. PREVENT FROM
ENTERING DRAINS,
SEWERS, STREAMS OR OTHER BODIES OF WATER

===== 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 OBSERV ED. ALL FIVE GALLON PAILS
AND LARGER METAL CONTAINERS INCLUDING TANK CARS AND TANK TRUCKS.
SHOULD BE

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

Respiratory Protection:IF WORKPLACE EXPOSURE LIMITS OF PRODUCT OR ANY
COMPONENT IS EXCEEDED (SEE EXPOSURE GUIDELINES), A NIOSH/MSHA
APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER
ENVIROMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER
NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED
CONDITIONS (CONSULT YOUR INDUSTRIAL HYGIENIST). ENGINEERING OR AD

Ventilation:PROVIDE SUFFICIENT MECHANI

CAL (GENERAL AND/OR LOCAL

EXHAUST) VENTILATION TO MAINTAIN EXPOSURE.

Protective Gloves:WEAR RESISTANT GLOVES SUCH AS: NEOPRENE, NITRILE
RUBBER,

Eye Protection:CHEMICAL SPLASH GOGGLES .

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:308-335 F

Vapor Pres:3.000 @ 68.00 F

Vapor Density:> 1 AIR=1

Spec Gravity:.912 @ 77.00 F

VOC Pounds/Gallon:770

VOC Grams/Liter:7.6

Evaporation Rate & Reference:SLOWER THAN ETHYL

Ap

pearance and Odor:LIQUID HOMOGENEOUS SOLUTION BLACK
Percent Volatiles by Volume:40.0-55.0%

===== 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, LEAD OXIDE FUMES, VARIOUS HYDROCARBONS.

Conditions to Avoid Polymerization:WILL NOT UNDERGO HAZARDOUS
POLYMERIZATION.

===== Disposal Consideration

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

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