

VALVOLINE OIL CO -- TECTYL 894, PETROLEUM BASED RUST PREVENTATI -- 8030-00-244-1293
===== Product Identification =====

Product ID:TECTYL 894, PETROLEUM BASED RUST PREVENTATI

MSDS Date:03/05/1998

FSC:8030

NIIN:00-244-1293

Status Code:A

MSDS Number: CLRSV

=== 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:1-800-274-5263

Preparer's Name:ERNEST CARTER

Chemtec Ind/Phone:(800)424-9300

CAGE:72527

=== Contractor Identification ===

Company Name:VALVOLINE OIL CO

Address:3499 BLAZER PKY

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

Ingred Name:SULFONIC ACIDS, PETROLEUM, SODIUM SALTS

CAS:68608-26-4

RTECS #:WR7150000

Minimum % Wt:4

.3

Maximum % Wt:14.

Ingredient Name:STODDARD SOLVENT

CAS:8052-41-3

RTECS #:WJ8925000

Minimum % Wt:36.

Maximum % Wt:46.

OSHA PEL:2900 MG/M3;500 PPM

ACGIH TLV:525 MG/M3;100 PPM

Ingredient Name:DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC

CAS:64742-65-0

RTECS #:PY8038500

Minimum % Wt:15.

Maximum % Wt:25.

Ingredient Name:PETROLATUM (PETROLEUM), OXIDIZED, ZINC SALT

CAS:68918-69-4

Minimum % Wt:25.

Maximum % Wt:35.

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

Routes of Entry

Respiratory: Inhalation: YES Skin: YES Ingestion: YES

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 INCLUDE REDNESS, BURNING, DRYING AND CRACKING OF SKIN, AND SKIN BURNS. SWALLOWING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. SWALLOWING LARGE AMOUNTS

MAY BE HARMFUL. THIS MATERIAL

CAN ENTER THE LUNGS DURING SWALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND/OR DAMAGE. INHALATION: BREATHING OF VAPOR OR MIST IS POSSIBLE. BREATHING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL HANDLING IS

Effects of Overexposure: STOMACH OR INTESTINAL UPSET (NAUSEA, VOMITING, DIARRHEA), IRRITATION (NOSE, THROAT, AIRWAYS), CENTRAL NERVOUS SYSTEM DEPRESSION (DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS)

S), AND DEATH. TARGET ORGAN

EFFECTS: OVEREXPOSURE TO THIS MATERIAL (OR ITS COMPONENTS) HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS, AND MAY AGGRAVATE PRE-EXISTING DISORDERS OF THESE ORGANS: CENTRAL NERVOUS SYSTEM EFFECTS.

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===== 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. LAUNDRY CLOTHING BEFORE REUSE. SWALLOWING: DO NOT INDUCE VOMITING. THIS MATERIAL IS AN ASPIRATION HAZARD. SEEK MEDICAL ATTENTION. INHALATION: IMMEDIATELY MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. SEEK MEDICAL ATTENTION.

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

Flash Point Method: PMCC

Flash Point: =41.1C, 106.F

Lower Limits: 1.0%

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

Fire Fighting Procedures: WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT AND POSSIBLY ENDANGER THE LIFE OF THE FIREFIGHTER. 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, REFER TO THE PERSONAL PROTECTIVE EQUIPMENT SECTION OF THE 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 PRODUCT (EVEN JUST RESIDUE) CAN IGNITE

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

Spill Release Procedures: SMALL SPILL: A

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

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===== 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. 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 LIMIT(S) OF PRODUCT OR ANY
COMPONENT IS EXCEEDED

(SEE EXPOSURE GUIDELINES), A NIOSH/MSHA
APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER
ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER
NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED
CONDITIONS (CONSULT YOUR INDUSTRIAL HYGIENIST). ENGINEERING OR

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL
EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW LEVEL OF
OVEREXPOSURE BELOW LEVEL OF OVEREXPOSURE.

Protective Gloves:NE

OPRENE, NITRILE RUBBER, WEAR NORMAL WORK CLOTHING
COVERING ARMS AND LEGS.

Eye Protection:CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA
REGULATIONS ARE ADVISED.

Supplemental Safety and Health

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

Boiling Pt:=157.2C, 315.F

Vapor Pres:2.000 MMHG @ 68.00 F

Vapor Density:1.000

Spec Gravity:.870@77.00 F

VOC Grams/Liter:2.8

Evaporation Rate & Reference:SLOWER THAN ETHER

Appearance and Odor:TRANSLUCENT LIQUID AMBER.

Percent

Volatiles by Volume:40.0-45.0%

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH: STRONG OXIDIZING AGENTS.

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

Conditions to Avoid Polymerization:PRODUCT WILL NOT UNDERGO HAZARDOUS
POLYMERIZATION.

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

Waste Disposal Methods:DISPOSE OF IN

ACCORDANCE WITH ALL APPLICABLE

LOCAL, STATE AND FEDERAL REGULATIONS.

===== Regulatory Information =====

SARA Title III Information:SECTION 311/312 HAZARD CLASS 40 CFR 370.2

IMMEDIATE(X) DELAYED() FIRE(X) REACTIVE() SUDDEN RELEASE OF
PRESSURE()

Federal Regulatory Information:TSCA (TOXIC SUBSTANCES CONTROL ACT)

STATUS. TSCA (UNITED STATES) THE INTENTIONAL INGREDIENTS OF THIS
PRODUCT ARE LISTED.

State Regulatory Information:

Disclaimer (p

rovided with this information by the compiling agencies):

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