

VALVOLINE OIL SUBSIDIARY OF AS -- TECTYL 891 CLASS I

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MSDS Safety Information  
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FSC: 8030  
NIIN: 00-231-2345  
MSDS Date: 02/10/1995  
MSDS Num: CFLCH  
Product ID: TECTYL 891 CLASS I  
MFN: 02  
Responsible Party  
Cage: 72527  
Name: VALVOLINE OIL CO SUBSIDIARY OF ASHLAND OIL INC.  
Address: 200 E MAIN ST  
Box: 1  
4000  
City: LEXINGTON KY 40512  
Info Phone Number: 606-264-7000/7616;FAX 601-429-0537  
Emergency Phone Number: 800-ASHLAND/800-274-5263  
Proprietary Ind: Y  
Review Ind: Y  
Published: Y

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Preparer Co. when other than Responsible Party Co.  
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Cage: 72527  
Name: VALVOLINE OIL CO  
Address: 3499 BLAZER PKY  
Box: 14000  
City: LEXINGTON KY 40512

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Contr  
actor Summary  
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Cage: 6A438  
Name: CONVOY OIL CORP  
Address: 1410 N FRONT STREET  
Box: 29366  
City: PHILADELPHIA PA 19125  
Phone: 215-739-5281  
Cage: 72527  
Name: VALVOLINE OIL CO  
Address: 3499 BLAZER PKY  
Box: 14000  
City: LEXINGTON KY 40512  
Phone: 606-357-7206 / 800-274-5263

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Item Description Information  
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Item Manager: GSA  
Item Name: CORRO

SION PREVENTIVE COMPOUND  
Specification Number: MIL-C-16173  
Type/Grade/Class: CL1 GR1  
Unit of Issue: GL  
UI Container Qty: 4

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Ingredients  
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Name: \*\*\* PROPRIETARY \*\*\*  
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Health Hazards Data  
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of En

try Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: EYE:IRIT.SKIN:MILD IRIRT.PROL/REP EXPO MAY DRY

SKIN.BREATH:VAP/MIST EXPO POSSIBLE.IRRIT NOSE/THROAT/RESP TRACT,CNS

DEPRESS,DEATH.INGEST:SINGLE DOSE ORAL TOXICITY LOW.SWALLOW SMALL AMTS DURING  
NORMAL H DNLG NOT LIKELY TO CAUSE HARMFUL EFFECTS;LG AMTS MAY BE HARMFUL.MATL  
CAN ENTER LUNGS BY INGEST/VOMIT CAUSE LUNG INFLM/DM

Explanation Of Carcinogenicity: PER MSDS:IARC ANI

MAL CANC:EXTRACTS OF STEAM-REF

BITUMENS,AIR-REF BITUMENS,POOL MIX STEAM/AIR-REF BITUMENS.

Signs And Symptions Of Overexposure: EYE

IRRIT,STINGING,TEARING,REDNESS,SWELLING,BLURRED VISION.MILD SKIN

IRRIT,REDNESS,BURNING,DRYING,CRACKING,SKIN BURNS.IRRIT NOSE/THROAT/RESP

TACT,CNS DEPRESS-DIZZ,DROWS,WEAKNESS,FTG,NAU,HEAD,UNCONSC,D EATH.HARMFUL IF  
SWALLOW LG AMTS,GI IRRIT,NAU,VOMIT,DIARR.MATL MAY ENTER LUNGS-CAUSE LUNG  
INFLAMMATION & /OR DMG.

Medical Cond Aggravated By Exposure: PRE-EXI

STING SKIN DISORDERS MAY BE

AGGRAVATED BY EXPO TO MATL.PRE-EXISTING LUNG DISORDERS,E.G.ASTHMA-LIKE

CONDITIONS.AGGRAVATE PRE-EXISITIGN DISORDERS OF THESE ORGANS:CNS.

First Aid: SKIN:REMOVE CONTAM CLOTH.WASH W/SOAP/H2O.SYMPTOMS PERSIST GET MED

ATTN.EYE:SYMPTOMS DEVELOP MOVE TO FRESH AIR.FLUSH GENTLY W/H2O,HOLD EYELIDS

OPEN.SYMPTOMS PERSIST/VISUAL DIFF GET MED ATTN.INGEST:DON' T INDUCE

VOMIT.ASPIRATION HAZ.DROWSY/UNCONSC PLACE ON LEFT SIDE W/HEAD DOWN.GET MED

ATTN.INHAL:SYMPTOMS DEVELOP

IMMED MOVE TO FRESH AIR.GET IMMED MED ATTN.NOT  
BREATH BEGIN ART RESP;DIFF BREATH GIVE OX

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Handling and Disposal  
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Spill Release Procedures: SM:ABSORB ON VERMI/FLOOR ABSORBENT/OTHER  
ABSORBANT.LG:REMOVE ALL IGN SOURCES.EXCLUDE PERSON W/O PPE TIL CLEANUP  
COMPLETE.STOP SPILL.PREVENT FROM ENTER DRAIN/SEWER/STREAM/BODIES OF  
H2O/SPREADING.RUNOFF OCCUR CALL AUTHORITIES.PUMP/VAC TO CNTNRS  
(NEUTRA)

Neutralizing Agent: NA.SPILL:ABSORB UNRECOVERE MATL.TRANSF CONTAM  
ABSORB/SOIL/MATL TO CNTNR FOR DISP

Waste Disposal Methods: SMALL SPILL:DISPO OF IAW ALL LOCAL, STATE AND FEDERAL  
REGULATIONS.LARGE SPILL:DISPO OF IAW ALL APPLICABLE LOCAL, STATE AND FEDERAL  
REGULATIONS.

Handling And Storage Precautions: ASPHALT PROD PROPERLY HDNL AS OULINED IN MSDS  
NOT EXPECTED TO CAUSE CANC IN HUMANS.

Other Precautions: SKIN CONTACT/BREATH MIST/FUMES/VAPOR SHOULD BE REDUCED TO  
MIN TO AVOID ANY

ILL EFFECTS.CNTNR MAY BE HAZ WHEN EMPTIED.SINCE EMPTIED  
CNTNR RETAIN PROD RESIDUE(LIQ,VAP,SOLID)ALL HAZ PRECAUT GIVEN IN MSDS MUST  
BE OBSERVED.

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Fire and Explosion Hazard Information  
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Flash Point Method: PMCC

Flash Point Text: 106F,41C

Lower Limits: 1.0

Upper Limits: N/GIVEN

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

Fire Fighting Procedures: WEAR SCBA W/F

ULL FCPIECE OPERATED IN +PRESUSRE DEMAND

MODE W/APPROPR TURNOUT GEAR,CHEM RESIST PPE.WATER/FOAM MAY CAUSE FROTH  
WHICH  
CAN BE VIOLENT/POSSIBLY(SUPP)

Unusual Fire/Explosion Hazard: NEVER USE WELD/CUT TORCH ON/NEAR DR(EVEN  
EMPTY)-PROD(EVEN JUST RESIDUE)CAN IGN EXPLO.VAP HEAVIER THAN AIR,TRAVEL ALONG  
GROUND/MOVE BY VENTI/IGN BY HEAT(SUPPLE)

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Control Measures  
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Respiratory Protection:

WORKPLACE EXPO LIMITS OF PROD/COMPO EXCEEDED NIOSH/MSHA APPROV AIR-SUPP RESP ADVISED IN ABSENC EOF PROPER ENVIRO CNTRL.OSHA REGS ALSO PERMIT OTHER NIOSH/MSAH RESP(NEG PRESS TYP)UNDER SPEC CONDITIONS.I MPLEMENT ENGIN/AMIND CNTNR TO RED EXPO.

Ventilation: PROVIDE SUFFICIENT MECHANICAL (GENERAL &/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPO BELOW TLV(S).

Protective Gloves: RESISTANT GLOVES-NEOPRENE,NITRILE RUBBER

Eye Protection: CHEM SPALSH GOGG IAW OSHA REGS.

Other Protective Equipm

ent: OSHA REGS ALSO PERMIT OTHER TYP SAF GLASSES.CONSULT

SAF REP.TO PREVENT REP/PROL SKIN CONTACT WEAR IMPERV CLOTH/BOOTS.

Work Hygienic Practices: LAUNDER CONTAMON CLOTH BEF REUSE.

Supplemental Safety and Health: BOILING PT FOR COMPO 1-5%:270F; VAP PRESSURE FOR COMPO 1-5%:10MM. FIREFIGHT:ENDANGER LIFE OF FIREFIGHTERS.

FIRE/EXPLO:PILOT LIGHT,OTHER IGN SOURCES @LOCATION DISTANT FROM MATL HDNLG PT.ALL 5GAL PAILS/ LG METAL CNTNR INCLUDING TAK CARS/TURCKS SHOULD BE GROUNDED &/OR BONDED

WHEN MATL TRANSFER.

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Physical/Chemical Properties  
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HCC: F4

B.P. Text: SUPPLEMENT

Vapor Pres: SUPPLEMENT

Vapor Density: >AIR

Spec Gravity: 0.900

Evaporation Rate & Reference: SLOWER THAN ETHER

Appearance and Odor: BLACK LIQUID, HETEROGENOUS SOLN.

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Reactivity Data  
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Stabil

ity Indicator: YES

Stability Condition To Avoid: NONE SPECIFIED BY MANUFACTURER. :ALL IGNITION SOURCES (FLARES,FLAMES,PILOT LIGHTS,ELECTRICAL SPARKS).

Materials To Avoid: AVOID CONTACT W/STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: MAY FORM:CARBON DIOXIDE & CARBON MONOXIDE, VARIOUS HYDROCARBONS, CALCIUM OXIDE, ETC.

Hazardous Polymerization Indicator: NO

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Toxicological Information  
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Ecological Information

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MSDS Transport Information

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Regulatory Information

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Other Information

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Transportation Information

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Responsible Party Cage: 72527

Trans ID NO: 58177

Product ID: TECTYL 891 CLASS I

MSDS Prepared Date: 02/10/1995

Review Date: 09/18/1997

MFN: 2

Tech Entry NOS Shipping Nm: MINERAL SPIRITS,ALIPHATIC HYDROCARBONS.

Net Unit Weight: 7.5 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: GL

Container QTY:

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Additional Data: PER MSDS:COMBUSTIBLE LIQ/VAPOR.

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Detail DOT Information

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DOT PSN Code: GJL

Symbols: G

DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.

Hazard Class: 3

UN ID Num: UN1993

DOT Packaging Group: III

Label: FLAMMABLE LIQUID

Special Provision: B1,B52,T7,T30

Packaging Exception: 150

Non Bulk Pack: 203

Bulk Pack: 242

Max Qty Pass: 60 L

Max Qty Cargo: 220 L

Vessel Stow Req:

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Detail IMO Information  
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IMO PSN Code: HIA  
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o  
IMDG Page Number: 3345  
UN Number: 1993  
UN Hazard Class: 3.3  
IMO Packaging Group: III  
Subsidiary Risk Label: -  
EMS Number: 3-07  
MED First Aid Guide NUM: T  
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Detail IATA Information  
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IATA PSN CA  
IATA UN ID Num: 1993  
IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. \*  
IATA UN Class: 3  
IATA Label: FLAMMABLE LIQUID  
UN Packing Group: III  
Packing Note Passenger: 309  
Max Quant Pass: 60L  
Max Quant Cargo: 220L  
Packaging Note Cargo: 310  
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Detail AFI Information  
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AFI PSN CA  
AFI Symbols: \*  
AFI Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.  
AFI Hazard Class: 3  
AFI UN ID NUM:  
UN1993  
AFI Packing Group: III  
Special Provisions: P5  
Back Pack Reference: A7.3  
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HAZCOM Label  
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Product ID: TECTYL 891 CLASS I  
Cage: 72527  
Company Name: VALVOLINE OIL CO  
Street: 3499 BLAZER PKY  
PO Box: 14000  
City: LEXINGTON KY  
Zipcode: 40512  
Health Emergency Phone: 800-ASHLAND/800-274-5263  
Label Required IND: Y  
Date Of Label Review: 09/18/1997  
Status Code: C  
Label Date: 09/18/1997  
Origin

ation Code: G  
Chronic Hazard IND: Y  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: WARNING  
Health Hazard: Moderate  
Contact Hazard: Slight  
Fire Hazard: Moderate  
Reactivity Hazard: None

Hazard And Precautions: COMBUSTIBLE LIQ/VAP.MAY CAUSE EYE/SKIN IRRIT.INHAL VAP  
MAY CAUSE IRRIT OF NASAL/RESP PASSAGES.INGEST MAY CAUSE IRRIT  
MOUTH/ESOPHAGUS/GI SYS,MAY BE FATAL.ASPIRATION HAZ.1ST AID:SKIN:REMOVE CONTAM  
CLOTH. WASH W/SOAP/H2O.SYMPTOMS PERSIST GET MED ATTN.EYE:SYMPTOMS DEVELOP  
M  
OVE TO FRESH AIR.FLUSH GENTLY W/H2O,HOLD EYELIDS OPEN.SYMPTOMS  
PERSIST/VISUAL DIFF GET MED ATTN.INGEST:DON'T INDUCE VOMIT.ASPIRATION  
HAZ.DROWSY/UNCONSC PLACE ON LEFT SIDE W/HEAD DOWN.GET MED  
ATTN.INHAL:SYMPTOMS  
DEVELOP IMMEDIATELY MOVE TO FRESH AIR.GET IMMEDIATE MED ATTN.NOT BREATH BEGIN ART  
RESP;DIFF BREATH GIVE OXY.TARGET ORGANS:CNS,SKIN, RESPIRATORY SYS.

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tion is formulated for use by elements of the Department of Defense.

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