

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: 14
000
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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Contra
ctor 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: CORROS

ION 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 Ent

ry 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 ANIM

AL 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-EXIS

TING 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 I

LL 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/FU

LL 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 Equipme

nt: 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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Stabili

ty 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

MSDS Transport Information

Regulatory Information

Other Information

Transportation Information

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:

4

Additional Data: PER MSDS:COMBUSTIBLE LIQ/VAPOR.

Detail DOT Information

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
Origina

tion 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
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 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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