

VALVOLINE OIL SUBSIDIARY OF ASHLAND OIL -- MAC'S LIQUID CONCRETE CLEANER #6932

MATERIAL SAFETY DATA SHEET

VALVOLINE OIL SUBSIDIARY OF ASHLAND OILNSN: 685000D020260

Manufacturer's CAGE: 72527

Part No. Indicator: A

Part Number/Trade Name: MAC'S LIQUID CONCRETE CLEANER #6932

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General Information  
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Item Name: (NO TIR/CTDF)

Company's Name: VALVOLINE OIL CO SUBSIDIARY OF ASHLAND OIL INC.

Company's Street: 200 E MAIN ST

Company's P. O. Box: 14000

Company's City: LEXINGTON

Company's State: KY

Company's Country: US

Company's Zip Code: 40512

Company's Emerg Ph #: 800-ASHLAND/800-274-5263

Company's Info Ph #: 606-264-7000/7616;FAX 601-429-0537

Distributor/Vendor # 1: BALKAMP INC (317-248-0760)

Distributor/Vendor # 1 Cage: 70842

Distributor/Vendor # 2: NATIONAL AUTOMOTIVE PARTS ASSN/NAPA/

Distributor/Vendor # 2 Cage: 050Q3

Record No. For Safety Entry: 001

Tot Safety Entries This Stk#: 001

Status: SE

Date MSDS Prepared: 31MAY89

Safety Data Review Date: 07JAN97

Preparer's Company: (DATA SHEET #:0177140-004)

MSDS Serial Number: CCLLC

Specification Number: UNKNOWN

Hazard Characteristic Code: F8

Unit Of Issue: NK

Unit Of Issue Container Qty: UNKNOWN

Type Of Container: UNKNOWN

Net Unit Weight: UNKNOWN  
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Ingredients/Identity Information  
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Proprietary: YES

Ingredient: PROPRIETARY

Ingredient Sequence Number: 01  
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Proprietary: YES

Ingredient: PROPRIETARY

Ingredient Sequence Number: 02  
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Proprietary: YES

Ingredient: PROPRIETARY

Ingredient Sequence Number: 03  
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Proprietary: YES

Ingredient: PROPRIETARY

Ingredient Sequence Number: 04  
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Proprietary: YES

Ingredient: PROPRIETARY  
Ingredient Sequence Number: 05

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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 06

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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 07

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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 08

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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 09

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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 10

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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 11

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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 12

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Physical/Chemical Characteristics

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Appearance And Odor: CLEAR LIGHT BLUE LIQUID, HOMOGENEOUS SOLUTION.  
Boiling Point: 162F,72C  
Melting Point: NP  
Vapor Pressure (MM Hg/70 F): 100 @68F  
Vapor Density (Air=1): >AIR  
Specific Gravity: 1.150-1.160  
Decomposition Temperature: NP  
Evaporation Rate And Ref: SLOWER THAN ETHER.  
Solubility In Water: NP  
Percent Volatiles By Volume: >95  
Viscosity: NP  
pH: NP  
Corrosion Rate (IPY): NP  
Autoignition Temperature: NP

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Fire and Explosion Hazard Data

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Flash Point: 145F,63C  
Flash Point Method: TCC  
Lower Explosive Limit: 1.0  
Upper Explosive Limit: NP  
Extinguishing Media: REGULAR FOAM OR CARBON DIOXIDE OR DRY CHEMICAL.  
Special Fire Fighting Proc: WEAR SCBA W/FULL FACEPC OPERATED IN +PRESSURE  
DEMAND MODE WHEN FIGHTING FIRES.WATER/FOAM CAUSE FROTH-VIOLENT/ POSSIBLY

ENDANGER FIREFIGHTER ESPECIALLY IF (SUPPL)  
Unusual Fire And Expl Hazrds: VAP HEAVIER THAN AIR,TRAVEL ALONG GROUND/  
MOVE BY VENTI/IGN BY HEAT/IGN SOURCES @LOCATIONS DISTANT FROM MTL HNDLG PT.  
NEVER USE WEL/CUT TORCH ON/NEAR DR(SUPPLEME)

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Reactivity Data  
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Stability: YES  
Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.  
Materials To Avoid: AVOID CONTACT W/STRONG OXIDIZING AGENTS, STRONG  
ALKALIES.  
Hazardous Decomp Products: MAY FORM TOXIC MATLS, CARBON DIOXIDE & CARBON  
MONOXIDE, HYDROGEN CHLORIDE, PHOSGENE, VARIOUS HYDROCARBONS, ETC.  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NOT APPLICABLE

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Health Hazard Data  
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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.  
Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: NO  
Health Haz Acute And Chronic: EYE:CAN CAUSE SEVERE IRRIT,REDNESS,TEARING,  
BLURRED VISION.SKIN:PROL/REP CONTACT MAY CAUSE MODERATE IRRIT,DEFAT,DERM.  
BREATH:EXCESSIVE VAP INHAL MAY CAUSE NASAL/RESP IRRIT,CNS EFFECTS-DIZZ,  
WEAK,FTG,NAU,HEAD,POSSIBLE UNCONSC,EVEN DEATH.INGEST:MAY CAUSE  
GASTROINTESTINAL IRRIT,NAU,VOMIT,DIARR.ASPIRAITON INTO LINGS FROM(SUP)  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Signs/Symptoms Of Overexp: EYE SEVERE IRRIT,REDNESS,TEARING,BLURRED  
VISION. MODERATE SKIN IRRIT, DEFATTING,DERM. NASAL/RESP IRRIT,CNS EFFECTS  
INCLUDING DIZZ,WEAKNESS,FATIGUE,NAU,HEADACHE,UNCONSC,DEATH. GI IRRIT,NAU,  
VOMIT,DIARRHEA. ASPIRATION INTO LUNGS MAY CAUSE CHEM PNEUMONIA WHICH CAN BE  
FATAL. CARDIAC.LIVER ABNORMALITIES,KIDNEY/LUNG DMG.  
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.  
Emergency/First Aid Proc: SKIN:WASH WELL W/SOAP/H2O.REMOVE CONTAM  
CLOTH/SHOE.EYE:FLUSH W/LOTS OF H2O,LIFT EYELIDS.GET MED ATTN.INGEST:DON'T  
INDUCE VOMIT.KEEP WARM/QUIET.GET MED ATTN.ASPIRATION INTO LUNGS FRM VOMIT  
CAUSE CHEM PNEUOITIS-FATAL.INHAL:MOVE TO FRESH AIR.DIFFI BREATH ADMIN OXY;  
BREATH STOP GIVE ART RESP.KEEP WARM/QUIET.GET MED ATTN.DON'T GIVE  
STIMULANTS/EPINEPHRINE/EPHEDRINE-ADVERSELY AFFECT HEART W/FATAL RESULTS.

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Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: SM:ABSORB ON PAPER/VERMI/FLOOR ABSORB/OTHER  
ABSORB MATL.TRANSFER TO HOOD.LG:REMOVE ALL IGN SOURCES.PERSON NOT WEARING  
PROT EQPMT SHOULD BE EXCLUDED FROM AREA TIL CLEANUP COMPLETED.STOP SPILL/  
DIKE TO PREVENT SPREADING.PUMP TO SALVAGE TK.REMAINING(SUP)  
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.  
Waste Disposal Method: SM:ALLOW VOLA PORTION EVAPORATE IN HOOD.ALLOW  
SUFFICIENT TIME FOR VAP TO COMPLETELY CLEAR HOOD DUCT WORK.DISPSO OF  
REMAINING MATL IAW APPLICABLE REGS.LG:DESTROY BY LIQ INCINERATION W/OFF-GAS  
SCRUBBER.CONTAM ABSORBENT DEPOS IN LANDFILL IAW REGS.  
Precautions-Handling/Storing: CNTNR OF THIS MATL MAY BE HAZ WHEN EMPTIED  
SINCE THEY RETAIN PROD RESIDUE(VAP,LIQ,SOLID).ALL HAZ PRECAUTION GIVEN IN  
MSDS MUST BE OBSERVED.

Other Precautions: CONTAINS CHEM SUBJ TO REPORTING REQMTS OF SEC 313 OF SARA TITLE III.

Control Measures

Respiratory Protection: WORKPLACE EXPO LIMIT OF PROD/COMPONENETS EXCEEDED NIOSH/MSHA APPROVED AIR SUPPLIED RESP ADVISED IN ABSENCE OF PROPER ENVIRO CNTRL.SOPHA REGS PERMIT OTHER NIOSH/MSHA RESP UNDER SPEC CONDITIONS. IMPLEMENT EMGINEER/ADMIN CNTRLS TO REDUCE EXPO.  
Ventilation: PROVIDE SUFFICIENT MECHANICAL (GEN &/OR LOC EXHAUST) VENTI TO MAINTAIN EXPO BELOW TLVS.  
Protective Gloves: RESISTANT GLOVES: NITRILE RUBB.  
Eye Protection: CHEM SPLASH GOGG IAW OSHA REGS.  
Other Protective Equipment: TO PREVENT REPEATED/PROLONGED SKIN CONTACT WEAR IMPERVIOUS CLOTHING/BOOTS.  
Work Hygienic Practices: LAUNDER CONTAMIN CLOTH BEF REUSE;DISCARD SHOES SATURATED W/PRODUCT.  
Suppl. Safety & Health Data: FIREFIGHTING:SPRAYED INTO HOT BURNING LIQ CNTNR. FIRE/EXPLO HAZ:(EVEN EMPTY)-PROD(EVEN JUST RESIDUE)CAN IGN EXPLO. HEALTH HAZ:VOMIT MAY CAUSE CHEM PNEUNOMIA-FATAL.OVEREXPO:CARDIAC/LIVER ABNORM,KIDNEY/LUNG DMG. SPILL:LIQ TAKE UP W/SAND/CLAY/EARTH/FLOOR ABSORBENT/OTHER ABSORBENT.SHOVEL INTO CNTNR.PREVENT ENTRY SEWER/ETC.

Transportation Data

Trans Data Review Date: 97007  
DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
AFI PSN Code: ZZZ  
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
Additional Trans Data: PER MSDS:DOT HAZ CLASSIFICATION:COMBUSTIBLE HOWEVER FLASH PT GIVE IS 145F.

Disposal Data

Label Data

Label Required: YES  
Technical Review Date: 07JAN97  
Label Status: F  
Common Name: MAC'S LIQUID CONCRETE CLEANER #6932  
Chronic Hazard: YES  
Signal Word: WARNING!  
Acute Health Hazard-Slight: X  
Contact Hazard-Slight: X  
Fire Hazard-Moderate: X  
Reactivity Hazard-None: X  
PROL/REP CONTACT MODERATE IRRIT,DEFAT,DERM.INHAL:EXCESSIVE VAP NASAL/RESP IRRIT,CNS EFFECTS-DIZZ,WEAK,FTG,NAU,HEAD,UNCONSC,DEATH.INGEST:GI IRRIT,NAU, WASH WELL W/SOAP/H2O.REMOVE CONTAM CLOTH/SHOE.EYE:FLUSH W/LOTS OF H2O,LIFT LIDS.GET MED ATTN.INGEST:DON'T INDUCE VOMIT.GET MED ATTN.ASPIRATION INTO LUNGS FRM VOMIT CAUSE CHEM PNEUOITIS-FATAL.INHAL:MOVE TO FRESH AIR.DIFFI

BREATH ADMIN OXY;BREATH STOP GIVE ART RESP.KEEP WARM/QUIET.GET MED ATTN.  
DON'T GIVE STIMULANTS/EPINEPHRINE/EPHEDRINE-ADVERSELY AFFECT HEART W/FATAL  
RESULTS.

Protect Eye: Y

Protect Skin: Y

Label Name: VALVOLINE OIL CO SUBSIDIARY OF ASHLAND OIL  
INC.

Label Street: 200 E MAIN ST

Label P.O. Box: 14000

Label City: LEXINGTON

Label State: KY

Label Zip Code: 40512

Label Country: US

Label Emergency Number: 800-ASHLAND/800-274-5263