

VALVOLINE CO -- NAPA ANTIFREEZE COOLANT -- 6850-00N073626

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

Product ID:NAPA ANTIFREEZE COOLANT

MSDS Date:05/07/1996

FSC:6850

NIIN:00N073626

MSDS Number: CCNZD

=== Responsible Party ===

Company Name:VALVOLINE CO

Box:14000

City:LEXINGTON

State:KY

ZIP:40512

Country:US

Info Phone Num:606-357-7847

Emergency Phone Num:800-274-5263

CAGE:IO754

=== Contractor Identification ===

Company Name:THE VALVOLINE CO

Box:14000

City:LEXINGTON

State:KY

ZIP:40512

Country:US

Phone:606-357-7847

CAGE:IO754

Company Name:VALVOLINE OIL CO

Address:3499 BLAZER PKY

Box:14000

City:LEXINGTON

State:KY

ZIP:40512

Country:US

Phone:606-357-7206 / 800-274-5263

CAGE:72527

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

Ingred Name:ETHYLENE GLYCOL (SARA 313) (CERCLA)

CAS:107-21-1

RTECS #:KW2975000

Fraction by Wt: 83%

OSHA PEL:N/K

ACGIH TLV:50 PPM, VAPOR, C

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:DIETHYLENE GLYCOL

CAS:111-46-6

RTECS #:ID5950000

Fraction by Wt: 6-16%

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:POTASSIUM PHOSPHATE

CAS:7758-11-4  
Fraction by Wt: 0.0-7.0%  
OSHA PEL:N/K  
ACGIH TLV:N/K

Inged Name:SUPDAT: BASED ON POSITIVE TEST RESULTS WITH LAB ANIMALS.  
RTECS #:9999999ZZ

Inged Name:FIRST AID PROC: VOMIT BY GIVING SYRUP OF IPECAC/BY GENTLY  
PLACING 2 FINGERS AT BACK OF THROAT. IF POSS, DO NOT (ING 6)  
RTECS #:9999999ZZ

Inged Name:ING 5:LEAVE UNATTENDED. INHAL:IF SYMPS DEVELOP, IMMED MOVE  
AWAY FROM EXPOS & INTO FRESH AIR. SEEK IMMED MED ATTN;(ING 7)  
RTECS #:9999999ZZ

Inged Name:ING 6: KEEP PERSON WARM & QUIET. IF NOT BRTHG, BEGIN ARTF  
RESP. IF BRTHG IS DFCLT, ADMIN OXYGEN. NOTE TO MD:PROD (ING 8)  
RTECS #:9999999ZZ

Inged Name:ING 7: CNTNS ETHYLENE GLYCOL. ETHANOL DECRS METABOLISM OF  
ETHYLENE GLYCOL TO TOX METABOLITES. ETHANOL SHOULD BE (ING 9)  
RTECS #:9999999ZZ

Inged Name:ING 8: ADMIN AS SOON AS POSS IN CASES OF SEV POISONING  
SINCE ELIM HALF-LIFE OF ETHYLENE GLYCOL IS 3 HRS. IF MED (ING 10)  
RTECS #:9999999ZZ

Inged Name:ING 9:CARE WILL BE DELAYED SEVERAL HRS, USE THREE TO FOUR  
1-OZ ORAL "SHOTS" OF 86-PROOF/HIGHER WHISKEY BEFORE (ING 11)  
RTECS #:9999999ZZ

Inged Name:ING 10: OR DURING TRANSPORT TO HOSPITAL. HEMODIALYSIS  
EFTTIVELY REMOVES ETHYLENE GLYCOL & ITS METABOLITES FROM THE BODY.  
RTECS #:9999999ZZ

Inged Name:SPILL PROC: PUMP LIQ TO SALVAGE TANK. REMAINING LIQ MAY BE  
TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORB OR OTHER (ING 13)  
RTECS #:9999999ZZ

Inged Name:ING 12: ABSORB MATL & SHOVELED INTO CNTNRS.  
RTECS #:9999999ZZ

Inged Name:RESP PROT: INDUSTRIAL HYGIENIST). ENGINEERING OR  
ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURES.  
RTECS #:9999999ZZ

Inged Name:PROT GLOVES: NITRILE, NITRILE RUBBER, POLYVINYL CHLORIDE.  
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE:EXPOS MAY CAUSE MILD IRRIT. SYMPS  
MAY INCL STINGING, TEARING & REDNESS. SKIN:EXPOS MAY CAUSE MILD

IRRIT. SYMPS MAY INCL REDNESS & BURNING. INGEST:SINGLE DOSE ORAL TOX IS LOW. SWALLOWING SM AMTS DU RING NORM HNDLG IS NOT LIKELY TO CAUSE HARMFUL EFTS; SWALLOWING LG AMTS MAY BE HARMFUL. INHAL:EXPOS (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: TO VAP/MIST IS POSS. SYMPS OF EXPOS: GI IRRIT (NAUS, VOMIT, DIARR), IRRIT (NOSE, THROAT, RESP TRACT), CNS DEPRESS (DIZZ, DROW, WEAK, FATG, NAUS, HDCH, UNCON), KIDNEY DMG. OVEREXP TO MATL (OR ITS COMPONENTS) HAS BEEN SUGGESTED AS A CAUSE OF FOLLOWING EFTS IN LAB ANIMALS & MAY AGGRAVATE PRE-EXISTING (SUPDAT)

Medical Cond Aggravated by Exposure:PRE-EXISTING LUNG DISORDERS, EG ASTHMA-LIKE CONDITIONS, MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

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

First Aid:EYES:IMMED MOVE AWAY FROM EXPOS & INTO FRESH AIR. FLUSH GENTLY W/WATER FOR AT LEAST 15 MIN WHILE HOLDING LIDS APART; SEEK IMMED MED ATTN. SKIN:REMOVE CONTAMD CLTHG. WASH EXPOSED AREA W/SOAP & WATER. I F SYMPS PERSIST, SEEK MED ATTN. LAUNDERCLTHG BEFORE REUSE. INGEST:SEEK MED ATTN. IF DROWSY/UNCON, DO NOT GIVE ANYTHING BY MOUTH; PLACE ON LEFT SIDE W/HEAD DOWN. IF CONSCIOUS & ALERT, INDUCE (ING 5)

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

Flash Point Method:COC  
Flash Point:250F,121C  
Lower Limits:3.2%  
Extinguishing Media:ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL.  
Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . REFER TO PERSONAL PROTECTIVE EQUIPMENT SECTION OF MSDS.  
Unusual Fire/Explosion Hazard:NEVER USE WELDING/CUTTING TORCH ON/NEAR DRUM (EVEN EMPTY) BECAUSE PROD (EVEN JUST RESIDUE) CAN IGNITE EXPLO. COMBUST MAY FORM CARBON DIOXIDE & CARBON (SUPDAT)

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

Spill Release Procedures:SM SPILL:ABSORB LIQ ON VERMICULITE, FLOOR ABSORB/OTHER ABSORB MATL. LG SPILL:PERS NOT WEARING PROT EQUIP SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO PVNT SPREADING, (ING 12)  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:CNTNRS OF MATL MAY BE HAZ WHEN EMPTIED. SINCE EMPTIED CNTNRS RETAIN PROD RESIDUES (VAP, LIQ &/OR SOLID), ALL HAZ PRECS GIVEN IN MSDS MUST BE OBSERVED.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:IF WORKPLACE EXPOS LIM(S) OF PROD/ANY COMPONENT IS EXCEEDED, NIOSH APPRVD AIR SUPPLIED RESP IS ADVISED IN ABSENCE

OF PROPER ENVIRON CTL. OSHA REGS ALSO PERMIT OTHER NIOSH RESPS (NEG PRESS TYPE) UNDER SPECIFIED CNDTNS (CONSULT (ING 14)  
Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL &/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).  
Protective Gloves:RESIST GLOVES SUCH AS: NEOPRENE (ING 15)  
Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .  
Other Protective Equipment:ANSI APPROVED EYE WASH & DELUGE SHOWER . TO PREVENT RPTD/PRLNGD SKIN CONTACT WEAR IMPERVIOUS CLOTHING & BOOTS.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
EXPLO HAZ: MONOXIDE, VARIOUS HYDROCARBS. EFTS OF OVEREXP:DISORDERS OF THESE ORGANS IN HUMANS:KIDNEY DMG; IT HAS BEEN SUGGESTED AS A CAUSE OF FOLLOWING EFTS IN HUMANS & MAY AGGRAVATE PRE-EXISTING DISOR DERS OF THESE ORGANS: CNS EFTS, LIVER ABNORMS, KIDNEY DMG. MATL (OR COMPONENT) MAY CAUSE BIRTH DEFECTS IN HUMANS (ING 4)

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

Boiling Pt:B.P. Text:330F,166C  
Vapor Pres:0.800 @68F  
Vapor Density:>1  
Spec Gravity:1.135  
pH:9-11  
Appearance and Odor:GREEN LIQUID; FAINT GLYCOL ODOR.

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

Stability Indicator/Materials to Avoid:YES  
AVOID CONTACT WITH STRONG OXIDIZING AGENTS.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:MAY FORM CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS.

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

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

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