VALVOLINE CO -- MACS NON-CHLORINATED BRAKE CLEANER 4800 -- 6850-00N073627

MSDS Safety Information

FSC: 6850
MSDS Date: 02/03/1995
MSDS Num: CCNZF
LIIN: 00N073627
Tech Review: 12/27/2001
Product ID: MACS NON-CHLORINATED BRAKE CLEANER 4800

Responsible Party
Cage: IO754
Name: VALVOLINE CO
Box: 14000
City: LEXINGTON KY 40512 US
Info Phone Number: 606-357-7847
Emergency Phone Number: 800-274-5263
Review Ind: N

Contractor Summary

Cage: IO754
Name: THE VALVOLINE CO
Box: 14000
City: LEXINGTON KY 40512 US
Phone: 606-357-7847
Cage: 72527
Name: VALVOLINE OIL CO
Address: 3499 BLAZER PKY
Box: 14000
City: LEXINGTON KY 40512 US
Phone: 606-357-7206 / 800-274-5263

Ingredients

Cas: 108-88-3
RTECS #: XS52500000
Name: TOLUENE (SARA 313) (CERCLA)
% by Wt: 40
OSHA PEL: 200 PPM
ACGIH TLV: 50 PPM, S
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS
Ozone Depleting Chemical: N

Cas: 67-56-1
RTECS #: PC14000000
Name: METHANOL; (METHYL ALCOHOL) (SARA 313) (CERCLA)
% by Wt: 29
OSHA PEL: 200 PPM, S
ACGIH TLV: 200 PPM; 250 STEL, S
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS
Ozone Depleting Chemical: N

Cas: 64742-89-8
Name: VM & P NAPHTHA; (ALIPHATIC PETROLEUM DISTILLATES)
% by Wt: 22-32
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
Ozone Depleting Chemical: N
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Cas: 124-38-9
RTECS #: FF6400000
Name: CARBON DIOXIDE
% by Wt: 0.0-9.0
OSHA PEL: 5000 PPM
ACGIH TLV: 5000 PPM; 30000 STEL
Ozone Depleting Chemical: N

Health Hazards Data

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Effects of Exposure: EYE: EXPOS CAUSES IRRIT. SYMPS MAY INCL STINGING, TEARING, REDNESS & SWELL. SKIN: EXPOS MAY CAUSE MILD IRRIT.
PRLNGD/RPTD EXPOS MAY DRY SKIN. SYMPS MAY INCL REDNESS, BURNING, DRYING & CRACKING & SKIN BU RNS. INGEST: SINGLE DOSE ORAL TOX IS LOW. SWALLOWING SM AMTS DURING NORM HNDLG IS NOT LIKELY TO CAUSE HARMFUL EFTS; SWALLOWING LG AMTS MAY BE HARMFUL. MATL CAN ENTER LUNGS DURING SWALLOW/VOMIT & CAUSE LUNG INFLAM &/OR DMG. INHAL: EXPOS 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) & DEATH.
(EFTS OF OVEREXP)

Explanation Of Carcinogenicity: NOT RELEVANT
Signs And Symptoms Of Overexposure: HLTH HAZ: CHRONIC: TOLUENE APPEARS ON THE NAVY LIST OF OCCUP CHEM REPRO HAZS. SEEK CONSULTATION FROM APPROP HLTH PROFESSIONALS CONCERNING LATEST HAZ LIST INFO & SAFE HNDLG & EXPOS INFO (FP N). OVEREXP TO MATL (OR COMPONENTS) HAS BEEN SUGGESTED AS CAUSE OF FOLLOWING EFTS IN LAB ANIMALS & MAY AGGRAVATE PRE-EXISTING DISORDERS OF THESE ORGANS IN HUMANS: CARD SENSIT, LIVER ABNORMS, ANEMIA & SPLEEN, NER VS SYS, EYE, KIDNEY, LUNG & BRAIN DMG. OVEREXP TO MATL (ITS COMPONENTS) HAS BEEN SUGGESTED AS CAUSE OF EFTS IN HUMANS & MAY AGGRAVATE PRE-EXISTING DISORDERS OF THESE ORGANS: LIVER ABNORMS, CARD SENSIT, EYE DMG. TOLUENE MAY BE HARMFUL(SUPDAT)
Medical Cond Aggravated By Exposure: PRE-EXISTING SKIN DISORDERS AND PRE-EXISTING LUNG DISORDERS, EG ASTHMA-LIKE CONDITIONS, MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.
First Aid: EYES: IMMED MOVE AWAY FROM EXPOS & INTO FRESH AIR. FLUSH GENTLY
WATER FOR AT LEAST 15 MIN WHILE HOLDING LIDS APART; SEEK IMMED MED ATTN. SKIN: REMOVE CONTAMD CLTHG. WASH EXPOSED AREA W/SOAP & WATER. IF SYMPS PERSIST, SEEK IMMED MED ATTN. LAUNDER CLTHG BEFORE REUSE. INGEST: CALL MD/POIS CTR IMMED FOR INSTRUCTIONS. MATL CNTNS BOTH METHALON & PETRO DISTILLS. ASPIR OF MATL INTO LUNGS DUE TO VOMIT CAN CAUSE CHEM PNEUM WHICH CAN BE FATAL. INHAL: IF SYMPS DEVELOP IMMEDIATELY MOVE AWAY FROM EXPOS & INTO FRESH AIR. SEEK IMMED MED ATTN; KEEP WARM & QUIET. IF NOT BRTHG, BEGIN ARTF RESP. IF BRTHG IS DFCLT, ADMIN OXYG EN. NOTE TO MD: PROD CNTNS (SUPDAT)

Handling and Disposal


Fire and Explosion Hazard Information

Flash Point Method: TCC
Flash Point Text: 38.0°F, 3.3°C
Lower Limits: 1.2%
Extinguishing Media: REGULAR FOAM, CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS.
Fire Fighting Procedures: USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). REFER TO PERSONAL PROTECTIVE EQUIPMENT SECTION OF MSDS.
Unusual Fire/Explosion Hazard: MATL IS HIGHLY VOLAT & READILY GIVES OFF VAPS WHICH MAY TRAVEL ALONG GROUND/BE MOVED BY VENT & IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPKS, HEATERS, SMKNG, ELEC MOTORS, STATIC DISCHARGE/OTHER IGNIT SO URCS AT LOCATIONS DIST FROM MATL HNDLG POINT. NEVER USE WELDING/CUTTING TORCH ON/NEAR DRUM (EVEN EMPTY) BECAUSE(SUPDAT)

Control Measures
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 INDUSTRIAL HYGIENIST). ENGINEERING/ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

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

Protective Gloves: RESIST GLOVES SUCH AS NEOPRENE.

Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES (FP N).

Other Protective Equipment: ANSI APPROVED EYE WASH & DELUGE SHOWER (FP N).

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health: EXPLO HAZS: PROD (EVEN JUST RESIDUE) CAN IGNITE EXPLO. EFTS OF OVEREXP: TO HUMAN FETUS BASED ON TESTS W/LAB ANIMALS. CASE STUDIES REVEAL PRNDG INTENTIONAL ABUSE OF TOLUENE DURING PREGNANCY MAY CAUSE BIRTH DEFECTS IN HUMANS. FIRST AID: METHANOL WHICH CAN CAUSE INTOXICATION & CNS DEPRESS. METHANOL IS (OTHER INFO)

Physical/Chemical Properties

B.P. Text: 147°F,64°C
Vapor Pres: 97.68 @68°F
Vapor Density: >1
Spec Gravity: 0.820
VOC Grams/Liter: 813
Evaporation Rate & Reference: FASTER THAN ETHYL ETHER
Appearance and Odor: LIQUID.
Percent Volatiles by Volume: >99

Reactivity Data

Stability Indicator: YES
Stability Condition To Avoid: AVOID HEAT, OPEN FLAME AND PROLONGED STORAGE AT ELEVATED TEMPERATURES.
Materials To Avoid: AVOID CONTACT WITH STRONG OXIDIZING AGENTS.
Hazardous Decomposition Products: MAY FORM CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: NOT RELEVANT

Toxicological Information

Toxicological Information: OTHER INFO: SOIL & OTHER MATLS TO CNTNRS FOR DISP. PVNT RUN-OFF TO SEWERS/STREAMS/OTHER BODIES OF WATER. IF RUN-OFF OCCURS NOTIFY AUTHS AS REQD THAT SPILL HAS OCCURED.

Ecological Information
MSDS Transport Information
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Regulatory Information
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Other Information
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Other Information: VOLATILE ORGANIC COMPOUND: 813 G/L; 6.790 LBS/GAL
SUPDAT: METABOLIZED TO FORMIC ACID & FORMALDEHYDE. METABOLITES CAN CAUSE
METABOLIC ACIDOSIS, VISUAL DISTURBS & BLINDNESS. SINCE METABOLISM IS
REQD FOR TOX SYMPS, THEIR ONSET MAY BE DELAYED FROM 6-30 HRS
FOLLOWING
INGEST. ETHANOL COMPETES FOR SAME METABOLIC PATHWAY & HAS BEEN USED TO
PVNT METHANOL METABOLISM. ETHANOL ADMIN IS INDICATED IN SYMPTOMATIC PATIENTS/AT BLOOD METHANOL CONCS ABOVE 20 UG/DL. METHANOL IS EFFICIENTLY REMOVED BY HEMODIALYSIS. SPILL PROC: PUMP/VACUUM TRANSFER SPILLED PROD
TO CLEAN CNTNRS FOR RECOVERY. ABSORB UNRECOVERABLE PROD. TRANSFER CONTAMDED ABSORB, (TOX INFO)
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HAZCOM Label
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Product ID: MACS NON-CHLORINATED BRAKE CLEANER 4800
Cage: IO754
Company Name: THE VALVOLINE CO
PO Box: 14000
City: LEXINGTON KY
Zipcode: 40512 US
Health Emergency Phone: 800-274-5263
Date Of Label Review: 10/08/1996
Label Date: 10/08/1996
Chronic Hazard IND: Y
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: YES
Health Hazard: Moderate
Contact Hazard: Moderate
Fire Hazard: Severe
Reactivity Hazard: None
Hazard And Precautions: EXTREMELY FLAMMABLE. ACUTE: EYE: EXPOSURE CAUSES
IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS AND
SWELLING. SKIN: EXPOSURE MAY CAUSE MILD IRRITATION. PROLONGED OR
REPEATED EXPOSURE MAY DRY SKIN. SYMPTOMS MAY INCLUDE
REDNESS, BURNING,
DRYING AND CRACKING AND SKIN BURNS. INGESTION: SWALLOWING LARGE
AMOUNTS
MAY BE HARMFUL. INHALATION: GI IRRITATION, IRRITATION OF NOSE, THROAT
AND RESPIRATORY TRACT, CNS DEPRESSION. CHRONIC: TOLUENE APPEARS ON
THE
NAVY OCCUPATIONALCHEMICAL REPRODUCTIVE HAZARDS LIST (FP N). MAY CAUSE
LIVER ABNORMALITIES, HEART SENSITIZATION AND EYE DAMAGE.
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