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COLEMAN POWERMATE 10W30 MOTOR OIL MATERIAL SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET Page 1 of 4

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Coleman Powermate 10w30 Motor Oil
Product Code: 302
Chemical Name: Motor Oil
Chemical Family: Blend
Manufacturer: CAM2 Oil Products Company Emergency Telephone Numbers:
380 West Butler Avenue Transportation: 215-244-2114 8am-5pm EST M-F
New Britain, PA 18901 CHEMTREC: 800-424-9300 24 hrs Everyday

2. COMPOSITION/INFORMATION ON INGREDIENTS

EXPOSURE GUIDELINES OSHA ACGIH
Component/CAS Number LO% HI% TWA STEL UNIT
LIMITS FOR THE PRODUCT 5 5 MG/M3
SEVERELY SOLVENT REFINED HEAVY PARAFFINIC PETROLEUM OIL
84741-88-4 .00 80.00 5 5 MG/M3
ETHYLENE/PROPYLENE COPOLYMER
9010-79-1 10.00 15.00 NO SPECIFIC LIMIT
ZINC DIALKYL DITHIOPHOSPHATE
68848-42-3 2.00 2.00 NO SPECIFIC LIMIT
BORATED POLYISOBUTENYL SUCCINIC ANHYDRIDE
.00 10.00 NO SPECIFIC LIMIT
ACRYLIC COPOLYMER
68171-46-0 .00 1.00 NO SPECIFIC LIMIT
HYDROTREATED HEAVY PARAFFINIC PETROLEUM OIL
64742-54-7 .00 85.00 MG/M3
ALKYL DIPHENYLAMINE
27177-41-9 .00 1.00 NO SPECIFIC LIMIT
POLYBUTENE
9003-29-8 .00 1.00 NO SPECIFIC LIMIT

ADDITIONAL EXPOSURE LIMITS GOVERNMENT REGULATION
OTHER LIMIT - OIL MIST: 5MG/M3 OSHA PEL/ACGIH TLV

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

MAY CAUSE SKIN IRRITATION

APPEARANCE: AMBER FLUID ODOR: MOTOR OIL ODOR

POTENTIAL HEALTH EFFECTS:

INHALATION: NO EFFECTS EXPECTED. INGESTION: PRACTICALLY NON-TOXIC.

EYE CONTACT: EXPECTED TO BE MINOR EYE IRRITANT.

SKIN CONTACT: PRACTICALLY NON-TOXIC IF ABSORBED (LD50 > 2000 MG/KG). MAY CAUSE MODERATE IRRITATION WITH PROLONGED OR REPEATED CONTACT.

CARCINOGEN LISTED BY: IARC(NO) NTP(NO) OSHA(BNO) ACGIH(NO) OTHER(NO)

NFPA/HMIS CLASSIFICATION HAZARD RATING

HEALTH - 0/0 0= LEAST 1=SLIGHT

FLAMMABILITY - 1/1 2=MODERATE 3=HIGH

REACTIVITY - 0/0 4=EXTREME

Revision: 08/25/98 NA=Not Applicable ND=No Data NE=Not Established

4. FIRST AID MEASURES

INHALATION: Move to fresh air.

EYE CONTACT: Flush with water for at least 15 minutes. If irritation persists, obtain medical assistance.

SKIN CONTACT: Wash with soap and water until no odor remains. If redness or swelling develops, obtain medical assistance. Wash clothing before reuse.

INGESTION: Practically non-toxic. Induction of vomiting not required. Obtain emergency medical attention. Small amounts which accidentally enter mouth should be rinsed out until taste of it is gone.

5. FIRE FIGHTING MEASURES

FLASHPOINT (METHOD): 420EF Minimum COC; 218EC Minimum COC

FLAMMABLE LIMITS: Not established

AUTOIGNITION TEMP: 675EF Estimated; 359EC Estimated

EXTINGUISHING MEDIA: Water spray, dry chemical, carbon dioxide (CO₂), foam.

FIRE FIGHTING INSTRUCTIONS: Avoid breathing smoke and vapor.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.

HAZARDOUS COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide and water vapor; Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: Contain spill, advise EPA; state agency if required. Absorb on inert material, shovel, sweep or vacuum spill.

7. HANDLING AND STORAGE

NFPA Class III B Storage. Wash thoroughly after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Ventilate as needed to comply with exposure limit. General dilution ventilation acceptable.

PERSONAL PROTECTIVE EQUIPMENT

EYE: Splash proof chemical goggles recommended to protect against splash of product.

GLOVES: Protective gloves recommended when prolonged skin contact cannot be avoided. The following glove materials are acceptable: polyvinyl chloride (PVC); neoprene; nitrile; polyvinyl alcohol; viton.

RESPIRATOR: Concentration in air determines protection needed. Use only NIOSH certified respiratory protection. Respiratory protection usually not needed unless product is heated or misted. Half-mask air purifying respirator with dust/mist filters or HEPA filter cartridges is acceptable to 10 times the exposure limit. Full face air purifying respirator with dust/mist filters or HEPA filter cartridges is acceptable to 50 times the exposure limit. Protection by air purifying respirators is limited. Use a positive pressure demand full face supplied air respirator or SCBA for exposures above 50X the exposure limit. If exposure is above IDLH (Immediately dangerous to life and health) or there is the possibility of an uncontrolled release or exposure levels are unknown then use a positive pressure demand full face supplied air respirator with escape bottle or SCBA.

OTHER: If contact is unavoidable, wear chemical resistant clothing. The following materials are acceptable as protective clothing materials: polyvinyl alcohol (PVA); polyvinyl chloride (PVC); neoprene; nitrile; viton; polyurethane; laundered soiled clothes.

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR: AMBER FLUID/MOTOR OIL ODOR. **BOILING POINT:** HIGH

VAPOR PRESSURE: <0.0001 (MM HG @ 20°C) MELTING POINT: N/A
MOLECULAR WEIGHT: N/A (G/MOLE) PACKING DENSITY: N/A
SOLUBILITY IN WATER: NIL (% BY VOLUME) OCTANOL/WATER COEFF.: N.D.
EVAPORATION RATE: 1000X SLOWER (ETHYL ETHER=1) ODOR THRESHOLD: N.D.
SPECIFIC GRAVITY: 0.86 (WATER=1) VAPOR DENSITY: 10+ (AIR =1)
VISCOSITY: 82.0 SUS @ 210°F 70.5 CST @ 40°C

10. STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: None known.

MATERIALS TO AVOID: Strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: Combustion will produce carbon monoxide and asphyxiants.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg).

DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg).

INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/l).

EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less).

SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3.)

CHRONIC TOXICOLOGY: The base oils in this product are severely solvent refined and / or hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as Modified Ames Test and IP-348.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.

13. DISPOSAL INFORMATION

Follow federal, state and local regulations. Not RCRA hazardous waste if uncontaminated. If "used", RCRA criteria (ignitability, reactivity corrosivity, toxicity characteristics) must be determined. Do not flush to drain/storm sewer. Contract to authorized disposal service.

14. TRANSPORTATION INFORMATION

DOT

PROPER SHIPPING NAME Petroleum Lubricating Oil

HAZARD CLASS: Not regulated

ID NUMBER: Not regulated

LABEL REQUIRED: Not regulated

IMDG PROPER SHIPPING NAME: N.D.

IATA PROPER SHIPPING NAME: N.D.

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15. REGULATORY INFORMATION

TSCA: This material is in compliance with the TOXIC SUBSTANCES CONTROL ACT (15 USC 2601-2629) and is listed in the TSCA Inventory.

SARA 302 THRESHOLD PLANNING QUANTITY, N/A
SARA 304 REPORTABLE QUANTITY N/A
SARA 311/312 REPORTING: Health Immediate (Acute) No
Health Delayed (Chronic) No
Physical Fire No
Physical Sudden Release of Pressure No
Physical Reactive No

When a product and/or component is listed below, the regulatory list on which it appears is indicated.

ZINC DIALKYL DITHIOPHOSPHATE - NJ 01

01=SARA 313 02= SARA 302/304 03=IARC CARCINOGEN
04=OSHA CARCINOGEN 05=ACGIH CARCINOGEN 08=NTP CARCINOGEN
07=CERCLA 302.4 08=WHMIS CONTROLLED PROD.
10=OTHER CARCINOGEN
PA=PA RTK NJ=NEW JERSEY RTK CA=CALIFORNIA PROP 65
MA=MASS. RTK MI=MICHIGAN 406 MN=MINNESOTA RTK
FL=FLORIDA RI=RHODE ISLAND IL=ILLINOIS
NY=NEW YORK WV=WEST VIRGINIA CT=CONNECTICUT
LA=LOUISIANA ME=MAINE OH=OHIO

16. OTHER INFORMATION

Caution! Prolonged or repeated contact with used motor oil may be harmful to skin and could cause skin cancer.
Promptly wash affected area with soap and water. WHMIS Classification: Not Controlled

The information on this form is furnished solely for the purpose of compliance with the OSHA Act, and shall not be used for any other purpose. The information herein is given in good faith and is based on data considered accurate. However, no warranty, expressed or implied, is made regarding the accuracy of these data or the results to be obtained from the use thereof.

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