

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** CAM2 Motor Oil 10W-30

**Product Code:** 302

**Chemical Name:** Motor Oil

**Chemical Family:** Blend

**Manufacturer:** CAM2 Oil Products Company  
 31207 Keats Way, Ste.203  
 Evergreen, CO 80439

**Emergency Telephone Numbers:**

Transportation: 215-244-2114 8am-5pm EST M-F  
 CHEMTREC: 800-424-9300 24 hrs Everyday

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

EXPOSURE GUIDELINES				OSHA		ACGIH		
Component/CAS Number	LO%	HI%	TWA	STEL	TWA	STEL		UNIT
<b>LIMITS FOR THE PRODUCT</b>								
SEVERELY SOLVENT REFINED HEAVY PARAFFINIC PETROLEUM OIL			5		5			MG/M3
64741-88-4	.00	80.00	5		5			MG/M3
<b>ETHYLENE/PROPYLENE COPOLYMER</b>								
9010-79-1	10.00	15.00						NO SPECIFIC LIMIT
<b>ZINC DIALKYL DITHIOPHOSPHATE</b>								
68649-42-3	2.00	2.00						NO SPECIFIC LIMIT
<b>BORATED POLYISOBUTENYL SUCCINIC ANHYDRIDE</b>								
	.00	10.00						NO SPECIFIC LIMIT
<b>ACRYLIC COPOLYMER</b>								
68171-46-0	.00	1.00						NO SPECIFIC LIMIT
<b>HYDROTREATED HEAVY PARAFFINIC PETROLEUM OIL</b>								
64742-54-7	.00	85.00						MG/M3
<b>ALKYL DIPHENYLAMINE</b>								
27177-41-9	.00	1.00						NO SPECIFIC LIMIT
<b>POLYBUTENE</b>								
9003-29-6	.00	1.00						NO SPECIFIC LIMIT
<b>ADDITIONAL EXPOSURE LIMITS -----GOVERNMENT REGULATION</b>								
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) OSHA9(NO) ACGIH(NO) OTHER(NO)

**NFPA/HMIS CLASSIFICATION**

**HEALTH – 0/0**

**FLAMMABILITY – 1/1**

**REACTIVITY – 0/0**

**HAZARD RATING**

**0= LEAST 1=SLIGHT**

**2=MODERATE 3=HIGH**

**4=EXTREME**

Revision: 05/04/05

NA=Not Applicable

ND=No Data

NE=Not Established

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#### 4.FIRST AID MEASURES

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**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.

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#### 5.FIRE FIGHTING MEASURES

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**FLASHPOINT (METHOD)**: 420EF Minimum COC; 216EC Minimum COC

**FLAMMABLE LIMITS**: Not established

**AUTOIGNITION TEMP**: 675EF Estimated; 359EC Estimated

**EXTINGUISHING MEDIA**: Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), 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.

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#### 6.ACCIDENTAL RELEASE MEASURES

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

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#### 7.HANDLING AND STORAGE

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NFPA Class IIIB Storage. Wash thoroughly after handling.

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#### 8.EXPOSURE CONTROLS/PERSONAL PROTECTION

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**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; launder soiled clothes.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**


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<b>APPEARANCE/ODOR</b> : AMBER FLUID/MOTOR OIL ODOR.	<b>BOILING POINT</b> : HIGH
<b>VAPOR PRESSURE</b> : <0.0001 (MM HG @ 20°C)	<b>MELTING POINT</b> : N/A
<b>MOLECULAR WEIGHT</b> : N/A (G/MOLE)	<b>PACKING DENSITY</b> : N/A
<b>SOLUBILITY IN WATER</b> : NIL (% BY VOLUME)	<b>OCTANOL/WATER COEFF.:</b> N.D.
<b>EVAPORATION RATE</b> : 1000X SLOWER (ETHYL ETHER=1)	<b>ODOR THRESHOLD</b> : N.D.
<b>SPECIFIC GRAVITY</b> : 0.86 (WATER=1)	<b>VAPOR DENSITY</b> : 10+ (AIR =1)
<b>VISCOSITY</b> : 62.0 SUS @ 210°F	70.5 CST @ 40°C

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**10. STABILITY AND REACTIVITY**


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**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.

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**11. TOXICOLOGICAL INFORMATION**


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**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-346.

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**12. ECOLOGICAL INFORMATION**


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**ECOTOXICITY** : No data available.

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**13. DISPOSAL INFORMATION**


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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.

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**14. TRANSPORTATION INFORMATION**


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**DOT**

<b>PROPER SHIPPING NAME</b>	Petroleum Lubricating Oil
<b>HAZARD CLASS:</b>	Not regulated
<b>ID NUMBER:</b>	Not regulated
<b>LABEL REQUIRED:</b>	Not-regulated
<b>IMDG PROPER SHIPPING NAME:</b>	N.D.
<b>IATA PROPER SHIPPING NAME:</b>	N.D.

**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

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|---------------------|---------------------------|-----------------------|
| 01=SARA 313         | 02= SARA 302/304          | 03=IARC CARCINOGEN    |
| 04=OSHA CARCINOGEN  | 05=ACGIH CARCINOGEN       | 06=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**

**CAM2 OIL PRODUCTS COMPANY  
 31207 KEATS WAY, STE.203  
 EVERGREEN, CO 80439  
 (800) 338-CAM2(2262)**

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