



Trade Name: ENTECH Diesel Engine Additive
 Product Part Number: EI42550
 W/C Manufacturing Plant
 Visual Description: High Viscosity Liquid
 Date Prepared: 6-08-05
 Reviewed / Updated:

MATERIAL SAFETY DATA SHEET

Health & Safety Information

Section 1: Chemical Product & Company Identification

Manufacturer

CMW Oil Company
 12929 Telegraph Road Unit H
 Santa Fe Springs, CA 90670
 USA

Phone Numbers:

CMW Oil Company (562) 903-4571
 9:00 AM – 5:00 PM Pacific

NFPA

(Codes 0=minimal; 1=slight; 2=moderate; 3=serious; 4=sever.)

NFPA

Fire – 1

Health – 1

Reactivity – 0

Specific Hazard - 0

Chemical Emergency:

Chemtrec: (24hr) (800) 424-9300 all calls recorded.

Chemical Family:

Hydrocarbon distillate mixture, Oil

Section 2: Composition / Information Identity of Ingredients

Components	CASNR May contain one or more of the Following CASRN	Amount (%)	Exposure Limits
Base Materials Distillates Petroleum Hydrotreated Hydrocarbons Synthetic Hydrocarbons	64742-55-8, 64742-56-9,64742-65-0, 64741-97-5, 64742-54-7, 64741-88-4, 64742-01-4, 64742-57-0, 64742-62-7, 68037-01-4, 64741-97-5	40-99	PEL/TW A:5mg/m3, Mist,(OSHA,ACGI H) STEL: 10mg/m3, Mist (ACGIH)
Polymers (1)	N/A "Mixture"	5-40	PEL/TW A: 5 mg/m3, mist (OSHA,ACGHIH) STEL: 10 mg/m3, mist (ACGIH) LD 50>5000 mg/kg (Rats).(oral) / LC50>2000 mg/kg (rabbits)
Additives (2)	N/A "Mixture"	3-10	PEL/TW A: 5mg/m3, mist (OSHA,ACGIH) STEL: 10mg/m3, mist (ACGIH)

Hazardous Information: Highly refined petroleum oil and other petroleum hydrocarbons, by definition are considered hazardous according to OSHA, 29 CFR 1910.1200 because they carry the Threshold Limit Value (TLV) for mineral oil mist.

- (1) Polymers, trace amounts of Olefin, Methacrylate or Ethylene-Propoline polymers.
- (2) Multi-functional additive mixture of anti foam additives, dispersants, corrosion inhibitors pour point depressants, rust inhibitors, viscosity index improvers, composed of various organo-metallic compounds, typically containing zinc dialkyldithiophosphate (CAS 6849-42-3), calcium salts and other trace elements.

Section 3: Hazardous Identification / Physical Characteristics / Typical Data

Boiling Point: NDA

Vapor Density: (Air=1):>1/Heavier than air

Solubility in Water: No/Nil

Specific Gravity: (Water=1) 0.891

% Volatile by Volume: Nil

Flash Point: 240° © 460° (F) C.O.C. (typical)

Fire Point: >500° (F) (typical)

Evaporation Rate: Slower than ether

pH: N.A *Form:* Liquid

Color: Transparent *Odor:* Petroleum *Other:*

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Section 4: First Aid Measures Health & Safety Information**Emergency First Aid Procedures:****Skin:**

Flush With Soap & Water

Contaminated Clothing – remove and launder

Eyes:

Flush eyes with water for 15 minutes. May cause redness or irritation.

Ingestion: Give plenty of water or mild fluids, and call physician immediately. Do not induce vomiting. If vomiting occurs, place head lower than hips, keep fluid from entering lungs. Aspiration into lungs should be avoided. *Aspiration Hazard:* Yes – keep product from entering lungs.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration and Oxygen.

Routes of entry:

Skin / absorption: No

Eyes: Yes

Ingestion: Yes

Inhalation: Yes

**Health Hazards
Acute****Ingestion:**

Acute: Low order of toxicity, but may cause gastrointestinal nausea and general distress, diarrhea. Ingestion of large amounts may cause headache, nausea and drowsiness.

Skin:

Acute: Not expected to cause prolonged or significant skin irritation.

Eye Contact:

Not expected to cause prolonged or significant eye irritation. Minimal hazard.

Respiratory System:

Harmful concentration of mists / vapors are unlikely through customary handling or use of product.

Signs & Symptoms of Exposure:

Skin chapped & red, eyes may become red and tear, headache, nausea.

Medical Conditions Generally Aggravated by Exposure:

Pre-existing dermal conditions

Other:

None

Section 5: Health Hazard Data

NFPA (Codes 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe.)

NFPA = Fire – 1 / Health – 1 / Reactivity – 0 / Specific Hazard – 0

Flash Point: 240° (C) 460° (F) C.O.C. (typical) **Fire Point:** >500° (F) (typical)

Evaporation Rate: Slower than ether **Flammable Limits:** 1-7% by volume in air.

Stability: Stable **Hazardous Polymerization:** Will not occur.

Extinguishing Media: Water Fog – CO₂ – Dry Chemical – Foam – Earth or Sand.

Unusual Fire Hazards: Do not use a direct stream of water for fighting fires, product is lighter than Water and will float. Heated vapors / fumes may ignite.

Special Fire Fighting Procedures: Foam may be used to suppress fumes and vapors. Fire fighters Should use NIOSH approved positive air breathing apparatus (SCBA) if fighting fires in a confined space. Containers exposed to extreme heat may rupture. Keep containers cool with water fog.

Combustion or Decomposition Products: Carbon Monoxide and hydrocarbon compounds may be Formed during combustion.

Section 6: Accidental Release Measures**SPILL OR LEAK**

General: Absorb with sand or inert material, sweep or scoop up and remove small quantities. Prevent Spread of liquid product. Contain with absorbent materials. Clean paved areas with soap & water, Recycling of wash water is recommended with other water based industrial fluids.

Small Spills:

Clean up small spills with absorbent material. Wash or mop area with soap & water. Do not wash visible Liquid to drain.

Large Spills:

Eliminate all ignition sources. Product will float on water. Contain liquid with absorbent material. Stop Leak source if safe. Absorb liquid with absorbent material, keep product from entering waterways and Sewers. Contact authorities as required, that a spill has occurred. **Large Spills:** Contact regional authorities and Chemtree (800)424-9300.

Waste Disposal Methods:

Dispose of contaminated absorbent material in accordance with all Federal, State & Regional Requirements.

Section 7: Handling & Storage*Work / Hygienic Practices:*

Wash with soap and water after handling product. Product absorbs into organic materials such as cotton Or leather, destroy saturated shoes & gloves.

INDUSTRIAL Work / Hygienic Practices:

Thoroughly wash all contaminated clothing before reuse. Long sleeve shirt recommended. Safety Glasses, Face Shield, Latex Gloves & Apron recommended if cleaning up large spills. Rubber boots Should be worn if standing in solution. Limit skin contact. Destroy saturated shoes & gloves.

Other Precautions:

WARNING: avoid skin contact with used motor oils. Used motor oils have caused cancer in laboratory animals. Store between 40° and 120° degrees F. Keep containers from freezing, bottles may become brittle. Do not reuse containers. Keep out of the reach of children.

Section 8: Exposure Controls & Personal Protection**Personal Protection Equipment:****Eye / Face Protection:**

Safety goggles or glasses.

Skin Protection:

Wear oil impervious type, such as nitril, neoprene or polyvinylchloride (PVC) to minimize skin contact.

Respiratory Protection:

None required for normal use. If exposure to mists or vapors is expected to exceed occupational Exposure limits for oil mists, use a NIOSH approved respirator to prevent overexposure. Use an Atmosphere supplying respirator or an air-purifying respirator for organic vapors and particulates.

Engineering Controls: (*Local / Mechanical / Special*) Local for normal product use.

Section 9: Physical & Chemical Properties

Form: Liquid

Ordor: Petroleum, mild

Color: Transparent

Flash Point: 240° (C) 460° (F) C.O.C. (typical)

Boiling Point: >425° (C)

Vapor Density: (Air=1): >1 / Heavier than air

Solubility in Water: No / Nil

Specific Gravity: (Water=1) 0.891

% Volatile by Volume: Nil

Evaporation Rate: Slower than ether

pH: N.A

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Section 10: Reactive Data**Stability:** Stable**Hazardous Polymerization:** Will not occur**Hazardous Decomposition Products:** Carbon Monoxide, various hydrocarbons.**Incompatibility:** Strong oxidizers.**Conditions to Avoid:** Do not weld or cut on “empty drums”, vapors can cause fire, explosion or toxic Fumes from residues. Do not pressurize or expose drums to heat or open flames. Keep containers closed And drum closures in place.**Section 11: Toxicological Information**

No data.

Section 12: Ecological Information

No data.

Section 13: Disposal Consideration

If disposed of as supplied dispose of waste product by recycling with other similar petroleum Hydrocarbon materials. If product has been spilled, used or contaminated dispose of in accordance with all Federal, State and regional guidelines. Do not land fill without checking all applicable regulations.

Section 14: Transportation Information

DOT Classification as follows:

Oil, Petroleum, N.O.S

(Not regulated)

UN1270

Not Hazardous.

Air shipping information:

NFPA Class IIIB material - Combustible liquid.

Section 15: Regulatory Information

TSCA Information: All components of this product is listed.

SARA TITLE III: Under provisions of Title III, sections 311/312 of the Superfund Amendments and Re-authorization Act.

Transportation: When shipped in bulk, ship as non hazardous, UN1270, Oil, Petroleum, N.O.S.

Section 16: Other Information**MSDS Revision statement: All sections revised.**

This information was derived from current data and the works and opinions of persons believed to be qualified experts. And to the best of our knowledge, is believed to be accurate and reliable as of the date compiled. However, no guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in the respect to the suitability of the product for particular uses that are beyond our control.

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End of Material Safety Data Sheet