

WARREN OIL COMPANY, INC.

MATERIAL SAFETY DATA SHEET

Warren Premium AW46

Date of Preparation: February 11, 1998

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Warren Premium AW46
Chemical Name: Petroleum Lubricating Oil
Chemical Family: Blend

Manufacturer: Warren Oil Company, Inc.
PO Box 1507
Dunn, NC 28334

EMERGENCY TELEPHONE NUMBERS:

Warren Oil Company, Inc. (910) 892-6456 Normal Business Hours
Chemtec (800) 424-9300 After Business Hours

SECTION 2: COMPOSITION/INFORMATION AND INGREDIENTS

Chemical Ingredient		CAS #
Severely solvent refined light paraffinic distillate	99%	64741-89-5
Proprietary additives	<1.0%	Mixture

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: *Oil mist, if generated.*

HMIS Hazard Rating

H 0
F 1
R 0

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

Potential Health Effects:

Inhalation: Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem.

Eye Contact: Expected to be minor eye irritant.

Skin Contact: Repeated or prolonged skin contact may cause dermatitis and defatting.

Ingestion: Not expected to be acutely toxic.

Chronic: None known.

SECTION 4: FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen. Get medical attention.

Eye Contact: Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

Skin Contact: Flush with large amounts of water. Use soap if possible. Remove severely contaminated clothing and wash before reuse. If irritation persists seek medical attention.

Ingestion: If swallowed, DO NOT induce vomiting.

SECTION 5: FIRE-FIGHTING MEASURES

Flashpoint (method): 396 deg F (202 deg C)

Flammable Limits: Not established

Autoignition Temperature: No Data Available

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.

Hazardous Combustion Products: Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures: Remove sources of ignition. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Take up small spills with absorbent pads. Large spills may be taken up with pump or vacuum.

SECTION 7: HANDLING AND STORAGE

Storage Temperature: Ambient

Storage Pressure: Atmospheric

General: Keep container closed. Store in a cool, well ventilated place. Keep away from heat, sparks and flame. Empty containers may contain residues.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: Oil mist if generated: TLV (ACGIH) 5mg/m³ - 8 hr TWA, STEL (ACGIH) 10 mg/m³,
PEL (OSHA) 5 mg/m³ - 8 hr TWA.

Ventilation: Good general ventilation at source of vapor.

Personal Protection: For open systems where contact is likely, wear safety glasses with side shields, long sleeves and chemical resistant gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor: Petroleum odor, clear, amber liquid

Vapor Pressure: < 1 (air=1.0)

Solubility in Water: Insoluble

Evaporation Rate, n-Bu Acetate = 1: Nil

VOC: Nil

Specific Gravity: 0.87

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: None known

Materials to Avoid: Strong oxidizing agents.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: None.

SECTION 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-346.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

This product is not regulated by CERCLA/RCRA as a hazardous waste or material. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

<i>DOT</i>	<i>IMO</i>
<i>Description</i>	
<i>Proper Shipping Name:</i> Not regulated	<i>Proper Shipping Name:</i> Not regulated
<i>Hazard Class:</i> Not regulated	<i>Hazard Class:</i> Not regulated
<i>ID Number:</i> Not regulated	<i>Packing Group:</i> Not applicable
<i>Packing Group:</i> Not applicable	<i>Special Information:</i> Not applicable
<i>Special Information:</i> Not applicable	<i>IMO Label:</i> Not applicable
	<i>Shipping Containers:</i> Not applicable

SECTION 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.

Hazard Categories for SARA 311/312 Reporting:

Health	Immediate (Acute)	No
Health	Delayed (Chronic)	No
Physical	Fire	No
Physical	Sudden Release of Pressure	No
Physical	Reactive	No
Physical	Nuisance Mist/Dust Only	No

01=SARA 313	11=NJRTK	21=TSCA Sect 5(a)(2)	02=MASS RTK
12=CERCLA 302/304	22=TSCA Sect 6	03=NTP Carcinogen	
13=MN RTK	23=TSCA Sect 12 (b)		
04=CA Prop 65-Carcin	14=ACGIM TWA	24=TSCA Sect 8(a)	
05=CA Prop 65-Repro Tox	15=ACGIH STEL	25=TSCA Sect 8(d)	
06=IARC Group 1	16=ACGIH Calc TLV	26=TSCA Sect 4(a)	
07=IARC Group 2A	17=OSHA PEL	27=Canadian WHMIS	
08=IARC Group 2B	18=DOT Marine Pollutant	28=OSHA CEILING	
09=SARA 302/304	20=EPA Carcinogen		
10=PA RTK			

The following components of this material are found on the regulatory lists indicated.

DISTILLATES, HYDROTREATED LIGHT PARAFFINIC is found on lists: 14, 15, 17

NEW JERSEY RTK CLASSIFICATION: Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROOLEUM OIL

SECTION 16: OTHER INFORMATION

Supersedes MSDS Dated: new issue

Disclaimer: Warren Oil Company, Inc. believes this information is accurate but not all inclusive in all circumstances. It is the responsibility of the user to determine suitability of the material for their purposes. No warranty, expressed or implied, is given.