



Material Safety Data Sheet

Revision Date: 2008-02-25 09:06:45

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: MAG 1 10W30 MOTOR OIL
Product Code: MG031355

Emergency Phone: (800) 424-9300 (202) 483-7616 (CHEMTREC)
Poison Control Center: (800) 222-1222
Company: Warren Distribution, Inc.
727 S. 13th St.
Omaha, NE 68102

Information Phone: (800) 825-1235 (402) 341-9397
Revision Number: 10

II. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #	OSHA Exposure Limits
Distillates, hydrotreated heavy paraffinic	90 - 99	64742-54-7	No PEL established
Distillates (petroleum), solvent-dewaxed heavy paraffinic	3 - 7	64742-65-0	No PEL established
zinc alkyl dithiophosphate	0.1 - 1	68649-42-3	No PEL established

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

III. HAZARDS IDENTIFICATION

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Inhalation of vapors (generated at high temperatures only) or oil mist may cause mild irritation of the nose, throat, and respiratory tract.

Skin Contact: Lubricating oils are generally considered no more than minimally irritating to the skin.

Eye Contact: Lubricating oils are generally considered no more than minimally irritating to the eyes. May cause slight irritation of the eyes.

Ingestion Irritation: Although this product has a low order of acute oral toxicity, aspiration of minute amounts into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

Ingestion Toxicity: Lubricating oils are generally no more than slightly toxic if swallowed.

Long-Term (Chronic) Health Effects:

Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Skin Contact: Prolonged and repeated contact may result in defatting and drying of the skin that may cause various skin disorders such as dermatitis, folliculitis, or oil acne. Other adverse effects not expected from brief skin contact.

HMIS Ratings:

Health: 1
Flammability: 1
Reactivity: 0
PPE: B

0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

IV. FIRST-AID MEASURES



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- Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.
- Eyes:** Flush with water. If irritation occurs, get medical attention. Rest eyes for 30 minutes. If redness, burning, blurred vision, or swelling occur, transport to nearest medical facility for additional treatment.
- Skin Contact:** Remove contaminated clothing and shoes and wipe excess from skin. Flush skin with water, then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. If redness, swelling, pain, and/or blisters occur, transport to the nearest medical facility for additional treatment.
- Ingestion:** Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this MSDS.
- Notes to Doctor:** Aspiration during swallowing or vomiting may severely damage the lungs.

V. FIRE FIGHTING MEASURES

Flammability Summary:

Combustible at elevated temperatures

Extinguishing Media:

Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do Not direct a stream of water into the hot burning liquid.

Fire and/or Explosion Hazards:

Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

Fire Fighting Methods and Protection:

Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

Hazardous Combustion Products:

Carbon dioxide, Carbon monoxide

Flash Point:

207 deg. C, [405 deg. F]

Upper Flammable/Explosive Limit, % in air:

7.0

Lower Flammable/Explosive Limit, % in air:

9.0

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:

No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this MSDS

Methods for Clean-up:

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

VII. HANDLING AND STORAGE

Handling Technical Measures and Precautions:

Mildly irritating material. Avoid unnecessary exposure.

Storage Technical Measures and Conditions:

Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Do not expose to extreme temperatures or flames.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION



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- Engineering Measures:** No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.
- Respiratory Protection:** No respiratory protection required under normal conditions of use.
- Respirator Type(s):** None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.
- Eye Protection:** Wear safety glasses when handling this product if there is a likelihood of contact with eyes.
- Skin Protection:** Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
- Gloves:** Neoprene

Control Parameters:

Chemical Name	ACGIH TLV-TWA	ACGIH STEL	IDLH
Distillates, hydrotreated heavy paraffinic	No TLV		ND
Distillates (petroleum), solvent-dewaxed heavy paraffinic	No TLV		ND
zinc alkyl dithiophosphate	No TLV		ND

OSHA PEL TWA for oil mist is 5mg/m³, ACGIH TLV TWA for oil mist is 5mg/m³, ACGIH STEL for oil mist is 10mg/m³

IX. PHYSICAL AND CHEMICAL PROPERTIES

pH:	ND
Solubility in Water:	Insoluble
Specific Gravity:	1.576
Bulk Density:	7.252
Flash Point:	207 deg. C
Upper Flammable/Explosive Limit, % in air:	7.0
Lower Flammable/Explosive Limit, % in air:	9.0

X. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.
Materials to Avoid/Chemical Incompatibility:	Strong oxidizing agents
Hazardous Decomposition Products:	Carbon monoxide, sulfur oxides, aldehydes, and other petroleum decomposition products in the case of incomplete combustion. Oxides of nitrogen, phosphorus, calcium, copper, magnesium, sodium, and hydrogen sulfide may also be present.

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data (NIOSH):

Chemical Name	CAS Number	LD50/LC50
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	Oral LD50 Rat: >15 g/kg; Dermal LD50 Rabbit: >5 g/kg



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XII. ECOLOGICAL INFORMATION

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: No data

XIII. DISPOSAL CONSIDERATIONS

Disposal of Packaging: Recycle containers whenever possible.
Disposal Methods: Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

XIV. TRANSPORTATION INFORMATION

DOT & IMDG: NOT RESTRICTED

XV. REGULATORY INFORMATION

TSCA Status: All components of this material are on the US TSCA Inventory or are exempt.
NAFTA Tariff Code: 2710.00.0000

Chemical Name	CAS #	Regulation	% Range
Diphenylamine	122-39-4	SARA 313	0.01 - 0.1
Toluene	108-88-3	SARA 313	0.001- 0.01
Toluene	108-88-3	CA Prop 65 - Dev. toxicity	0.001- 0.01

XVI. ADDITIONAL INFORMATION

Disclaimer: This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.