



Safety Data Sheet

Revision Date: 2010-12-01 11:31:41

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: HWH LOW TEMP HYD OIL 12/1QT
Product Code: HWFSDMPL
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: 2

II. HAZARDS IDENTIFICATION

Routes of Entry: None Known

Chemical Interactions: No chemical interaction known to affect toxicity.

Medical Conditions Aggravated by Exposure: No medical conditions affected by exposure.

Acute Health Effects:

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.

Skin Absorption: Minimal hazard in normal industrial use. May cause gastrointestinal discomfort.

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.

Chronic Health Effects:

Carcinogenicity: Not a carcinogen according to NTP, IARC, or OSHA.

Reproductive 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.

Inhalation: Upon prolonged and/or repeated exposure, no hazard in normal industrial use.

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



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effects not expected from brief skin contact.

Skin Absorption: Upon prolonged or repeated exposure, minimal hazard in normal industrial use. May cause gastrointestinal discomfort.

HMIS Ratings:

Health: 1
Fire: 1
Reactivity: 0
PPE: B

NFPA Ratings:

Health: 1
Fire: 1
Reactivity: 0

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

III. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | % | CAS # | OSHA Exposure Limits |
|--|---------|------------|----------------------|
| Distillates, severely hydrotreated light paraffinic | 30 - 60 | 64742-55-8 | No PEL established |
| Petroleum distillates, hydrotreated heavy paraffinic | 10 - 30 | 64742-54-7 | No PEL established |

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

IV. FIRST-AID MEASURES

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. If overcome by vapor from hot product, immediately remove victim 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. If overexposed to oil mist, remove from further exposure.

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.



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| 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: | 193 °C (379 °F) |
| Autoignition Temperature: | No data |

VI. ACCIDENTAL RELEASE MEASURES

| | |
|--|--|
| Personal Precautions and Equipment: | No health effects expected from the clean up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 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 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Do not flush to sewer. |

VII. HANDLING AND STORAGE

| | |
|------------------------------|---|
| Handling Precautions: | Mildly irritating material. Avoid unnecessary exposure. |
| Storage 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

| | |
|--------------------------------|--|
| Engineering Controls: | 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. |



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Gloves: Neoprene gloves are recommended.

Control Parameters:

| Chemical Name | ACGIH TLV-TWA | ACGIH STEL | IDLH | OSHA STEL |
|--|----------------------|-------------------|-------------|------------------|
| Distillates, severely hydrotreated light paraffinic | No TLV | No STL | No IDLH | No STEL |
| Petroleum distillates, hydrotreated heavy paraffinic | No TLV | No STL | No IDLH | No STEL |

IX. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-----------------|
| Physical State: | Liquid |
| Color: | Red |
| Odor: | Mild |
| Viscosity: | 7.36 cSt @100°C |
| Solubility in Water: | Insoluble |
| Evaporation Rate: | No data |
| Vapor Pressure: | No data |
| Boiling Point (°C): | No data |
| Specific Gravity: | 0.85 |
| Density: | 7.08 |
| Flash Point (°C): | 193 |
| Flash Point Method: | COC |
| Upper Flammability Limit, % in air: | Unknown |
| Lower Flammability Limit, % in air: | Unknown |

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: | Strong oxidizing agents |
| Hazardous Decomp. 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. |
| Hazardous Polymerization: | Will not occur. |

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity:

| | |
|--------------------|--|
| Ingestion: | Lubricating oils are generally no more than slightly toxic if swallowed. |
| Inhalation: | Toxic! Can cause systemic damage (see "Target Organs"). Respiratory failure is possible at high doses. |
| Absorption: | Minimal hazard in normal industrial use. May cause gastrointestinal discomfort. |



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Eyes (Draize score): No data.

Skin (Draize score): No data.

Sensitization: No data.

Component Toxicology Data (NIOSH):

| Chemical Name | CAS Number | LD50/LC50 |
|--|------------|--|
| Petroleum distillates, hydrotreated light paraffinic | 64742-55-8 | Inhalation LC50 Rat 2.18 mg/L 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg |
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | Inhalation LC50 Rat 2.18 mg/L 4 h; Oral LD50 Rat >2000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg |

XII. ECOLOGICAL INFORMATION

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.

Persistence: No data.

Bioconcentration: Bioconcentration is not expected to occur.

Degradability: No data.

| Toxicity to Aquatic Invertebrates: | CAS Number | Results |
|--|------------|--|
| Petroleum distillates, hydrotreated light paraffinic | 64742-55-8 | 48 Hr EC50 Daphnia magna: >1000 mg/L |
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | 48 Hr EC50 Daphnia magna: >1000 mg/L |
| Diphenylamine | 122-39-4 | 48 Hr EC50 Daphnia magna: 1.69 - 2.46 mg/L |
| Petroleum distillates, hydrotreated light naphthenic | 64742-53-6 | 48 Hr EC50 Daphnia magna: >1000 mg/L |
| Diphenylamine | 122-39-4 | 72 Hr EC50 Desmodesmus subspicatus: 0.048 mg/L |

| Toxicity to Fish: | CAS Number | Results |
|--|------------|--|
| Petroleum distillates, hydrotreated light paraffinic | 64742-55-8 | 96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L |
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | 96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L |

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



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XV. REGULATORY INFORMATION

TSCA Status: A component or components of this product are listed on the TSCA Inventory of Existing Chemical Substances.
NAFTA Tariff Code: 2710.11.0000
State Restrictions: ND
WHMIS: This is not a WHMIS controlled product.

| Chemical Name | CAS Number | Regulation | % Range |
|---|------------|---|------------|
| None Listed. | | CERCLA RQ | |
| Diphenylamine | 122-39-4 | SARA 313 | 0.01 - 0.1 |
| None Listed. | | SARA 302-Extremely Hazardous Substances | |
| None Listed. | | TSCA 12b export notification | |
| None Listed. | | CA Prop 65 – Cancer | |
| None Listed | | Canadian WHMIS List | |
| Mineral oil, petroleum distillates, hydrotreated light paraffinic | 64742-55-8 | Massachusetts RTK List | 30 - 60 |
| None Listed. | | New Jersey RTK List | |
| None Listed. | | Pennsylvania RTK List | |
| None Listed. | | Minnesota Hazardous Substance List | |
| None Listed. | | Rhode Island Hazardous Substance List | |
| Petroleum distillates, hydrotreated light paraffinic | 64742-55-8 | Canadian Domestic Substance List | 30 - 60 |
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | Canadian Domestic Substance List | 10 - 30 |
| Dibutyl phosphite | 1809-19-4 | Canadian Domestic Substance List | 0.01 - 0.1 |
| Diphenylamine | 122-39-4 | Canadian Domestic Substance List | 0.01 - 0.1 |
| Petroleum distillates, hydrotreated light naphthenic | 64742-53-6 | Canadian Domestic Substance List | 0.01 - 0.1 |

Consumer Product Safety Improvement Act of 2008 General Conformity Certification:



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The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product container.

XVI. ADDITIONAL INFORMATION

Superseded by: 2010-09-16 10:08:34

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Created by: HAZEMS

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.