



Dilmar Oil  
Company

GP Anti-Wear  
Hydraulic Oil

## Material Safety Data

### Section I – Chemical Product and Company Information

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Product Name: Dilmar GP Anti Wear Hyd Oil  
 Product Code: 1941  
 Product Use: Hydraulic Oil  
 Manufacturer: Dilmar Oil Co  
 Telephone: (800) 922-5823  
 Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

Preparation Date: 3/2011  
 Revision Date:

### Section II – Composition/Information On Ingredients

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Cutting Oil			
Highly refined petroleum oils	Mixture	95-99 %weight	
Additives	Mixture	1-5 %weight	

### Section III – Hazardous Ingredients/Identity Information

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#### Appearance

Light pale liquid. Mild Hydrocarbon odor

**Health Hazards:** No known immediate health hazards

#### Health Hazards

**Inhalation:** 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 irritation to the skin. 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.

**Eye Contact:** May cause slight irritation to eyes.

**Ingestion:** Low toxicity if swallowed.

**Other Information:** Used oil may contain harmful impurities.

**Signs and Symptoms:** Irritation as noted above.

**Aggravated Medical Condition:** Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Skin.

**Additional Information:** Refer to section 11

#### Section IV – First Aid Measures

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**Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.

**Skin Contact :** Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention.

**Eye Contact:** Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.

**Ingestion:** Do not induce vomiting. In general, no treatment is necessary unless large quantities of product are ingested. However, get medical attention.

**Advice to Physician:** In general, emesis induction is unnecessary in high viscosity, low volatility products such as oils and greases.

#### Section V – Fire Fighting Measures

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**Flash point Upper / lower:** 221.11 °C / 430 °F (COC)

**Extinguishing Media:** Material will float and can be re-ignited on surface of water. Use water fog, 'alcohol foam', dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames. Do not use a direct stream of water.

**Fire Fighting Instructions:** Material will burn unless preheated. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus.

#### Section VI – Accidental Release Measures

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**Protective Measures:** May burn although not readily ignitable. Wear appropriate personal protective equipment when cleaning up spills. Refer to section 8.

**Clean Up Methods:** Slippery when spilt. Avoid accidents, clean up immediately. Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly.

**Additional Advice:** Local authorities should be advised if significant spillages cannot be contained.

#### Section VII- Handling And Storage

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**Precautionary Measures:** Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking.

**Storage:** Keep container tightly closed and in a cool, well-ventilated place. Use properly labeled and closeable containers. Keep away from open flames and high temperatures.

**Container Warnings:** Keep containers closed when not in use. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

## Section VIII – Exposure Controls/Personal Protection

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### Occupational Exposure Limits

Contains no components with occupational exposure limit values.

**Exposure Controls:** The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate ventilation to control airborne concentrations. Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

**Personal Protective Equipment:** Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

**Respiratory Protection:** No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapors.

**Hand Protection:** Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.

**Eye Protection:** Wear safety glasses or full face shield if splashes are likely to occur.

**Protective Clothing:** Skin protection not ordinarily required beyond standard issue work clothes.

## Section IX – Physical And Chemical Properties

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Appearance : Light pale liquid. Mild hydrocarbon odor

Substance Chemical Family: Lubricants

Pour point : 16 °F

Flash point : 430 °F (COC)

Specific Gravity: 0.8783

Viscosity: 40 cSt – 50 cSt @ 40 °C

## Section X – Stability And Reactivity

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**Stability:** Stable.

**Conditions to Avoid:** Avoid heat and open flames.

**Materials to Avoid:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Thermal decomposition products on combustion conditions. A complex mixture of airborne solids, liquids and gases will evolve when this material undergoes pyrolysis or combustion. Aldehydes, Carbon Monoxide, Carbon Dioxide, Ketones and other unidentified organic compounds may be formed upon combustion.

## Section XI – Toxicological Information

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### Acute Toxicity:

TEST	RESULT	OHSA CLASSIFICATION	MATERIAL TESTED
Dermal LD50	>5.0 g/kg(Rabbit)	Non-Toxic	Based on components(s)
Oral LD50	>5.0 g/kg(Rat)	Non-Toxic	Based on components(s)

### Carcinogenicity:

CHEMICAL NAME	NTP	IARC	ACGIH	OSHA
Cutting Oil	No	Not Reviewed	No	No

## Section XII – Ecological Information

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### Environmental Impact Summary:

There is no ecological data available for this product. However, this product is an oil. It is persistent and does not readily biodegrade. However, it does not bioaccumulate.

## Section XIII – Disposal Considerations

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### RCRA Information:

Under RCRA, it is the responsibility of the user of the material to determine, at the time of the disposal, whether the material meets RCRA criteria for hazardous waste. This is because material uses, transformations, mixtures, processes, ets. may affect the classification. Refer to the latest EPA, state regulations regarding proper disposal.

## Section XIV – Transport Information

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### US Department of Transportation Classification (49CFR)

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

**Oil:** This product is an oil under the 49CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.

### IMDG

Not regulated under International Maritime Organization rules.

### IATA (Country variations may apply)

Not regulated under IATA rules.

## Section XV – Regulatory Information

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The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

### OSHA Classification:

Product is hazardous according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200, because it carries the occupational exposure limit for mineral oil mist.

### Ozone Depleting Substances (40 CFR 82 Clean Air Act):

This material does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances.

### Superfund Amendment & Reauthorization Act (SARA) Title III:

There are no components in this product on the SARA 302 list.

### SARA Hazard Categories (311/312):

**Immediate Health- NO    Delayed Health- NO    Fire- NO    Pressure- NO    Reactivity- NO**

SARA Toxic Release Inventory (TRI) (313): There are no components in this product on the SARA 313 list.

**Toxic Substance Control ACT (TSCA) Status:**

All component(s) of this material is (are) listed on the EPA/TSCA Inventory of Chemical Substances.

**Other Chemical Inventories:**

Component(s) of this material is (are) listed on the Australian AICS, Canadian DSL, Chinese Inventory, European EINECS

**State Regulatory Status California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**Section XVI – Other Information**

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**NFPA Rating (Health, Fire, Reactivity):** 0, 1, 0

**MSDS Version Number:** 1.0

**MSDS Effective Date:** 10/23/2008

**MSDS Revisions:** A vertical bar (|) in the left margin indicates an amendment from the previous version.

**MSDS Regulation:** The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**MSDS Distribution:** The information in this document should be made available to all who may handle the product.

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