**MATERIAL SAFETY DATA SHEET**

**QUAKER STATE FCI HD UNIVERSAL TRACTOR HYDRAULIC/TRANSMISSION OIL**

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** QUAKER STATE FCI HD UNIVERSAL TRACTOR HYDRAULIC/TRANSMISSION OIL  
**MSDS Number:** 15123  
**Version Date:** 7/6/01

**Product Use:** No information available  
**Synonyms:** No information available

**Manufacturer**  
Pennzoil-Quaker State Company  
P.O. Box 2967  
Houston, TX 77252  
USA

**Phone Numbers**  
Medical Emergency: 1-800-546-6040  
Transportation Emergency (USA): 1-800-468-1263  
Transportation Emergency (International): 1-352-323-3500 (Call Collect)  
MSDS Assistance: 1-800-546-6227  
Fax On Demand: 1-800-546-6227  
Technical Assistance: 1-800-458-4998  
Customer Service: 1-800-468-8397  
Fax Number: 713-217-3181  
Internet Address: www.MSDS.PZLQS.com

### 2. COMPONENT INFORMATION

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight Percent Range</th>
<th>Hazardous in Blend</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROTREATED SOLVENT DEASPHALTED RESIDUAL OIL</td>
<td>64742-57-0</td>
<td>&lt; 90</td>
<td>No</td>
</tr>
<tr>
<td>HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES</td>
<td>64742-54-7</td>
<td>&lt; 90</td>
<td>No</td>
</tr>
<tr>
<td>HEAVY NAPHTHENIC HYDROTREATED DISTILLATE</td>
<td>64742-52-5</td>
<td>&lt; 90</td>
<td>No</td>
</tr>
<tr>
<td>SOLVENT-DEWAXED HEAVY PARAFFINIC DISTILLATE</td>
<td>64742-65-0</td>
<td>&lt; 90</td>
<td>No</td>
</tr>
<tr>
<td>ANTIWEAR ADDITIVE</td>
<td>TRADESECRET</td>
<td>&lt; 15</td>
<td>No</td>
</tr>
<tr>
<td>EXTREME PRESSURE ADDITIVE</td>
<td>TRADESECRET</td>
<td>1 - 5</td>
<td>No</td>
</tr>
<tr>
<td>VISCOSITY INDEX IMPROVER</td>
<td>MIXTURE</td>
<td>1 - 5</td>
<td>No</td>
</tr>
<tr>
<td>POUR POINT DEPRESSANT</td>
<td>MIXTURE</td>
<td>&lt; 1</td>
<td>No</td>
</tr>
</tbody>
</table>

This product is **NOT HAZARDOUS** according to OSHA 29 CFR 1910.1200.

**Other:** No information available

### 3. HAZARDS IDENTIFICATION

**Emergency and Hazards Overview**  
CAUTION: Contains Petroleum Lubricant. Repeated skin contact can cause skin disorders.

**NFPA Ratings:**  
Health: 1  
Flammability: 1  
Reactivity: 0

**Primary Route of Exposure:**  
Skin: X  
Inhalation:  
Eye:  

**Health Effect Information**  
**Eye Contact:** This product is practically non-irritating to the eyes upon direct contact. Based on testing of similar products and/or components.
Skin Contact: Avoid skin contact. This product may cause slight skin irritation upon direct contact. Based on testing of similar products and/or components. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping, and reddening. Prolonged or repeated contact may result in oil acne which is characterized by blackheads with possible secondary infection. See Section 11 - Toxicological Information.

Inhalation: This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting of this product. On rare occasions, prolonged and repeated exposure to oil mist poses a risk of pulmonary disease such as chronic lung inflammation. Signs of respiratory effects vary with concentration and length of exposure and include nasal discharge, sore throat, coughing, bronchitis, pulmonary edema and difficulty breathing. Shortness of breath and cough are the most common symptoms.

Ingestion: Do not ingest. This product is relatively non-toxic by ingestion. This product has laxative properties and may result in abdominal cramps and diarrhea. Exposure to a large single dose, or repeated smaller doses, may lead to lung aspiration, which can lead to lipid pneumonia or chronic lung inflammation. These are low-grade, chronic localized tissue reactions. See Section 11 - Toxicological Information.

Medical Conditions Aggravated by Exposure: Drying and chapping may make the skin more susceptible to other irritants, sensitizers and disease.

Other: No information available.

4. FIRST AID INFORMATION

Eye Contact: Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If material is hot, treat for thermal burns and seek immediate medical attention.

Skin Contact: No treatment is necessary under ordinary circumstances. Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs and persists, seek medical attention. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately.

Inhalation: This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions.

Ingestion: Do not induce vomiting. No treatment is necessary under ordinary circumstances. If victim exhibits signs of lung aspiration such as coughing or choking, seek immediate medical assistance.

Notes to Physician: No information available

Other: No information available.

5. FIRE AND EXPLOSION INFORMATION

Flammable Properties
Flash Point: 399.9 F, 204.4 C
Test Method: ASTM D-92 (C.O.C.)

Flammable Limits in Air
Upper Percent: No data available
Lower Percent: No data available

Autoignition Temperature: No data available
Test Method: No information available

NFPA Classification: Class III-B combustible liquid

Extinguishing Media: Use dry chemical, foam, or carbon dioxide.
Fire Fighting Measures
Special Fire Fighting Procedures and Equipment: Water may be ineffective but can be used to cool containers exposed to heat or flame to prevent vapor pressure buildup and possible container rupture. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Unusual Fire and Explosion Conditions: Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

Hazardous Combustion By-Products: None

6. ACCIDENTAL RELEASE MEASURES

Personnel Safeguards: Consult Health Effect Information in Section 3, Personal Protection Information in Section 8, Fire and Explosion Information in Section 5, and Stability and Reactivity Information in Section 10.

Regulatory Notifications: Notify appropriate authorities of spill.

Containment and Clean up: Contain spill immediately. Do not allow spill to enter sewers or watercourses. Absorb with appropriate inert material such as sand, clay, etc. Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers.

Other: No information available.

7. HANDLING AND STORAGE INFORMATION

Handling: Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106-- Flammable and Combustible Liquids.

Storage: Do not transfer to unmarked containers. Store in closed containers away from heat, sparks, open flame, or oxidizing materials.

Empty Container Warnings
Drums: Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed. Empty containers retain product residue and can be dangerous.

Plastic: No information available

Other: No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

Exposure Limits and Guidelines
This product does not contain any components with OSHA or ACGIH exposure limits.

Personal Protective Equipment
Eye/Face Protection: Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.
Skin Protection: No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, etc.) over parts of the body subject to exposure. If handling hot material, use insulated protective clothing (boots, gloves, aprons, etc.). Launder soiled clothes. Properly dispose of contaminated leather articles including shoes, which cannot be decontaminated.

Respiratory Protection: Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified. Do not use compressed oxygen in hydrocarbon atmospheres.

Personal Hygiene: Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking.

Engineering Controls / Work Practices

Ventilation: If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure or flammable limits.

Other: The OSHA permissible exposure limit (PEL) and ACGIH threshold limit value (TLV) for oil mist is 5 mg/m3. The ACGIH short-term exposure limit (STEL) for oil mist is 10 mg/m3.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance: Amber</th>
<th>Vapor Pressure: No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor: Petroleum</td>
<td>Vapor Density (air=1): No data available</td>
</tr>
<tr>
<td>Physical state: Liquid</td>
<td>Percent Volatile by Volume: No data available</td>
</tr>
<tr>
<td>pH: No data available</td>
<td>Volatile Organic Content: No data available</td>
</tr>
<tr>
<td>Boiling Point: No data available</td>
<td>Molecular Weight: No data available</td>
</tr>
<tr>
<td>Melting Point: No data available</td>
<td>Average Carbon Number: No data available</td>
</tr>
<tr>
<td>Specific Gravity: 0.89 @ 16 C / 60 F</td>
<td>Viscosity @ 100 F: 9.5 SUS</td>
</tr>
<tr>
<td>Pour Point: -35 F, -37.2 C</td>
<td>Viscosity @ 40 C: 62.5 cSt</td>
</tr>
<tr>
<td>Solubility in Water: Negligible in water</td>
<td>Octanol / Water Coefficient: Log Kow = No data available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY INFORMATION

Chemical Stability: Stable

Conditions to Avoid: High heat and open flames.

Incompatible Materials to Avoid: May react with strong oxidizing agents.

Other: No information available.

11. TOXICOLOGICAL INFORMATION

Primary Eye Irritation: No information available

Primary Skin Irritation: No information available
Acute Dermal Toxicity: No information available

Subacute Dermal Toxicity: No information available

Dermal Sensitization: No information available

Inhalation Toxicity: No information available

Inhalation Sensitization: No information available

Oral Toxicity: No information available

Mutagenicity: No information available

Carcinogenicity: The International Agency for Research on Cancer (IARC) has concluded that highly refined mineral oils are Group 3 substances, "not classifiable as to their carcinogenicity to humans," based on inadequate human and inadequate animal evidence.

Reproductive and Developmental Toxicity: No information available

Teratogenicity: No information available

Immunotoxicity: No information available

Neurotoxicity: No information available

Other: No information available.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: No information available

Terrestrial Toxicity: No information available

Chemical Fate and Transport: No information available

Other: No information available.

13. DISPOSAL INFORMATION

Regulatory Information: All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded, may be a regulated waste. Refer to state and local regulations. Caution! If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled.

Waste Disposal Methods: Waste material may be landfilled or incinerated at an approved facility. Materials should be recycled if possible.

Other: No information available.
14. TRANSPORTATION INFORMATION

U.S. Department of Transportation (DOT)

Highway / Rail (Bulk): Not Regulated
Highway / Rail (Non-Bulk): Not Regulated

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping descriptions.

International Information

<table>
<thead>
<tr>
<th>Vessel</th>
<th>IMDG Regulated:</th>
<th>IMDG Not Regulated:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vessel</td>
<td>Not Regulated:</td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Air</th>
<th>ICAO Regulated:</th>
<th>ICAO Not Regulated:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air</td>
<td>Not Regulated:</td>
<td>X</td>
</tr>
</tbody>
</table>

Other: No information available

15. Regulatory Information

Regulatory Lists Searched: The components listed in Section 2 of this MSDS were compared to substances that appear on the following regulatory lists. Each list is numerically identified. See Regulatory Search Results below.


Environmental: 30 - CAA 1990 Hazardous air pollutants, 31 - CAA Ozone depletors, 33 - CAA HON rule, 34 - CAA Toxic substance for accidental release prevention, 35 - CAA Volatile organic compounds (VOC’s) in SOCMI, 41 - CERCLA / SARA Section 302 extremely hazardous substances, 42 - CERCLA / SARA Section 313 emissions reporting, 43 - CWA Hazardous substances, 44 - CWA Priority pollutants, 45 - CWA Toxic pollutants, 46 - EPA Proposed test rule for hazardous air pollutants, 47 - RCRA Basis for listing - Appendix VII, 48 - RCRA waste, 49 - SDWA - (S)MCLs

International: 50 - Canada - WHMIS Classification of substance, 54 - Mexico - Drinking water - ecological criteria, 55 - Mexico - Wastewater discharges, 56 - US -TSCA Section (12)(b) - export notification


Inventories: 80 - Canada - Domestic substances , 81 - European - EINECS, 82 - Japan - ENCS, 83 - Korea - Existing and evaluated chemical substances, 84 - US - TSCA

Regulatory Search Results:
HEAVY NAPHTHENIC HYDROTREATED DISTILLATE: 80, 81, 83, 84
HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES: 80, 81, 83, 84
HYDROTREATED SOLVENT DEASPHALTED RESIDUAL OIL: 80, 81, 82, 83, 84
SOLVENT-DEWAXED HEAVY PARAFFINIC DISTILLATE: 80, 81, 83, 84

U.S. TSCA Inventory: All components of this material are on the US TSCA Inventory.

SARA Section 313: Consumer products are not regulated under SARA, Title III, Section 313.

IARC: No information available
SARA 311 / 312 Categories
Acute: ___ Chronic: ___ Fire: ___ Pressure: ___ Reactive: ___
Not Regulated: X

Canadian WHMIS Classification
Not a controlled substance under WHMIS

European Union Classification
Hazard Symbols: No information available
Risk Phrases: No information available
Safety Phrases: No information available

Other: No information available

16. OTHER INFORMATION

Health and Environmental Label Language
Back Label:
CAUTION: Contains Petroleum Lubricant. Repeated skin contact can cause skin disorders.

PRECAUTIONARY MEASURES: Avoid excessive & prolonged skin contact. Wash thoroughly after handling. Avoid generation and inhalation of oil mists.

KEEP OUT OF REACH OF CHILDREN.

FOR HEALTH EMERGENCY: (800) 546-6040.

MSDS Revisions
Previous Version Date: Not applicable, this MSDS is the first version.

Previous Version Information
No information available

Other
No information available

Prepared By:
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