

# MATERIAL SAFETY DATA SHEET

QUAKER STATE FCI UNIVERSAL HDX ENGINE OIL - ALL GRADES

Page 1 of 8

## 1. PRODUCT AND COMPANY IDENTIFICATION MSDS Number: 15080

Version Date: 5/25/2001

**Product Name:** QUAKER STATE FCI UNIVERSAL HDX ENGINE OIL - ALL GRADES

**Product Use:** Engine oil

**Synonyms:** SAE 15W-40, 10W-30, 10, 30, 40

### Manufacturer

Pennzoil-Quaker State Company

P.O.Box 2967

Houston, TX 77252

USA

### Phone Numbers

**Medical Emergency:** 1-800-546-6040

**Transportation Emergency (USA):** 1-800-535-5053

**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

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## 2. COMPONENT INFORMATION

Component	CAS No.	Weight Percent Range	Hazardous in Blend
SOLVENT-DEWAXED HEAVY PARAFFINIC DISTILLATE	64742-65-0	< 90	No
HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES	64742-54-7	< 90	No
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	< 90	No
ANTIWEAR ADDITIVE	TRADESECRET	5 - 10	No
EXTREME PRESSURE ADDITIVE	TRADESECRET	5 - 10	No
VISCOSITY INDEX IMPROVER	MIXTURE	5 - 10	No
POUR POINT DEPRESSANT	MIXTURE	< 1	No

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

**Other:** No information available

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## 3. HAZARDS IDENTIFICATION

### Emergency and Hazards Overview

**CAUTION:** Contains Petroleum Lubricant. Repeated skin contact can cause skin disorders.

**ATTENTION:** Used motor oil is a possible skin cancer hazard based on animal data. Repeated exposure to oil mist in excess of the OSHA limit (5mg/m<sup>3</sup>) can result in accumulation of oil droplets in pulmonary tissue.

**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.

# MATERIAL SAFETY DATA SHEET

MSDS Number: 15080 QUAKER STATE FCI UNIVERSAL HDX ENGINE OIL - ALL GRADES

Page 2 of 8

**Skin Contact:** Avoid skin contact. This product is minimally irritating to the skin 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. Avoid prolonged and repeated skin contact with used motor oils. 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.

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

**Other:** No information available

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## 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:** No treatment is necessary under ordinary circumstances. Do not induce vomiting. 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

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## 5. FIRE AND EXPLOSION INFORMATION

### Flammable Properties

**Flash Point:** 410 F, 210 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.

# MATERIAL SAFETY DATA SHEET

MSDS Number: 15080 QUAKER STATE FCI UNIVERSAL HDX ENGINE OIL - ALL GRADES

Page 3 of 8

## 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

**Other:** No information available

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## 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

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## 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:** Empty container may retain product residues.

**Other:** No information available

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## 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.

# MATERIAL SAFETY DATA SHEET

MSDS Number: 15080 QUAKER STATE FCI UNIVERSAL HDX ENGINE OIL - ALL GRADES

Page 4 of 8

**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/m<sup>3</sup>. Chronic exposures below 5 mg/m<sup>3</sup> are without significant health risks. The ACGIH short-term exposure limit (STEL) for oil mist is 10 mg/m<sup>3</sup>.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Amber

**Odor:** Petroleum

**Physical state:** Liquid

**pH:** No data available

**Boiling Point:** No data available

**Melting Point:** No data available

**Specific Gravity:** No data available

**Pour Point:** > -25 F, -31.7 C

**Vapor Pressure:** No data available

**Vapor Density (air=1):** No data available

**Percent Volatile by Volume:** No data available

**Volatile Organic Content:** No data available

**Molecular Weight:** No data available

**Average Carbon Number:** No data available

**Viscosity @ 100 F:** No data available

**Viscosity @ 40 C:** No data available

**Solubility in Water:** Negligible in water

**Octanol / Water Coefficient: Log K<sub>ow</sub>** = No data available

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## 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

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## 11. TOXICOLOGICAL INFORMATION

**Primary Eye Irritation:** No information available

**Primary Skin Irritation:** No information available

# MATERIAL SAFETY DATA SHEET

MSDS Number: 15080 QUAKER STATE FCI UNIVERSAL HDX ENGINE OIL - ALL GRADES

Page 5 of 8

**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 there is inadequate data to evaluate the carcinogenicity to experimental animals of this class of product. IARC has concluded there is sufficient evidence that used gasoline-engine motor oils produce skin tumors in experimental animals. Also, IARC has determined this class of products belongs to Group 3-"not classifiable as to its carcinogenicity to humans".

**Reproductive and Developmental Toxicity:** No information available

**Teratogenicity:** No information available

**Immunotoxicity:** No information available

**Neurotoxicity:** No information available

**Other:** No information available

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## 12. ECOLOGICAL INFORMATION

**Aquatic Toxicity:** No information available

**Terrestrial Toxicity:** No information available

**Chemical Fate and Transport:** No information available

**Other:** No information available

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## 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

# MATERIAL SAFETY DATA SHEET

MSDS Number: 15080 QUAKER STATE FCI UNIVERSAL HDX ENGINE OIL - ALL GRADES

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## 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**

**Vessel: IMDG Regulated: IMDG Not Regulated: X**

**Air: ICAO Regulated: ICAO Not Regulated: X**

**Other:** No information available

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## 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.**

**Health & Safety:** 10 - IARC carcinogen, 11 - NTP carcinogen, 12 - OSHA carcinogen, 15 - ACGIH TLV, 16 - OSHA PEL, 17 - NIOSH exposure limit, 20 - US DOT Appendix A, Hazardous substances, 22 - FDA 21 CFR Total food additives, 23 - NFPA 49 or 325

**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 SOCOMI, 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

**State Lists:** 60 - CA - Proposition 65, 61 - FL - Substances, 62 - MI - Critical materials, 63 - MA - RTK, 64 - MA - Extraordinarily hazardous substances, 65 - MN - Hazardous substances, 66 - PA - RTK, 67 - NJ - RTK, 68 - NJ - Environmental hazardous substances, 69 - NJ - Special hazardous substances

**Inventories:** 80 - Canada - Domestic substances, 81 - European - EINECS, 82 - Japan - ENCS, 83 - Korea - Existing and evaluated chemical substances, 84 - US - TSCA, 85 - China Inventory

### Regulatory Search Results:

HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES: 80, 81, 83, 84, 85

HYDROTREATED LIGHT PARAFFINIC DISTILLATE: 63, 64, 80, 81, 83, 84, 85

SOLVENT-DEWAXED HEAVY PARAFFINIC DISTILLATE: 80, 81, 83, 84, 85

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

### SARA Section 313:

Chemical	CAS Number	Percent in Product
ZINC	7440-66-6	< 13

# MATERIAL SAFETY DATA SHEET

MSDS Number: 15080 QUAKER STATE FCI UNIVERSAL HDX ENGINE OIL - ALL GRADES

Page 7 of 8

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 classification recommended

### Risk Phrases:

No classification recommended

### Safety Phrases:

No classification recommended

Other: No information available

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## 16. OTHER INFORMATION

### Health and Environmental Label Language

**CAUTION:** Contains Petroleum Lubricant. Repeated skin contact can cause skin disorders.

**ATTENTION:** Used motor oil is a possible skin cancer hazard based on animal data. Repeated exposure to oil mist in excess of the OSHA limit (5mg/m<sup>3</sup>) can result in accumulation of oil droplets in pulmonary tissue.

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

**INSTRUCTIONS IN CASE OF FIRE OR SPILL:** In case of fire, use water spray, foam, dry chemical or carbon dioxide. Water spray may be ineffective, but can be used to cool containers. In case of spill, do not use water, soak up with absorbent material.

### MSDS Revisions

**Previous Version Date:** 1/22/1993

### Previous Version Information

Revised all sections, new 16 section MSDS format.

### Other

No information available

### Prepared By:

Pennzoil-Quaker State Company  
Environmental, Safety, Health, & DOT Compliance  
P. O. Box 2967  
Houston, TX 77252-2967 USA

# MATERIAL SAFETY DATA SHEET

MSDS Number: 15080 QUAKER STATE FCI UNIVERSAL HDX ENGINE OIL - ALL GRADES

Page 8 of 8

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