

# MATERIAL SAFETY DATA SHEET

Trade Name: Johnsens Power Steering Fluid For Honda Cars  
MSDS NO. 2612  
Revision Date: 03/20/2009  
Date Printed: 03/20/2009

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Johnsens Power Steering Fluid For Honda Cars  
Chemical Family: Petroleum Oil Blend  
Synonyms: None  
Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300  
Supplier: Technical Chemical Company, P.O. Box 139, Cleburne, Texas 76033

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	OSHA TWA	OSHA STEL	OSHA SKIN
Refined Petroleum Oil and selected additives Not Availabl	98 - 99.9	Not Listed	Not Listed	Not Listed
Zinc Dithiophosphate 19210-06-1	.1 - 2	Not Listed	Not Listed	Not Listed

Component	Weight %	OSHA Z PEL	OSHA Z TWA	OSHA Z Ceiling
Refined Petroleum Oil and selected additives Not Availabl	98 - 99.9	Not Listed	Not Listed	Not Listed
Zinc Dithiophosphate 19210-06-1	.1 - 2	Not Listed	Not Listed	Not Listed

Component	ACGIH TLV TWA	ACGIH TLV STEL	ACGIH TLV Ceiling
Refined Petroleum Oil and selected additives Not Availabl	Not Listed	Not Listed	Not Listed
Zinc Dithiophosphate 19210-06-1	Not Listed	Not Listed	Not Listed

## 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Causes moderate eye irritation. May cause moderate eye irritation. Possible redness and defatting may result from prolonged skin exposure to this material.

**HMIS Classification:** Health: 1 Flammability: 1 Physical Hazard: 0  
**NFPA Rating:** Health: 1 Flammability: 1 Reactivity: 0

## 4. FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Seek medical attention if irritation persists.  
**Ingestion:** Get immediate medical attention. DO NOT INDUCE VOMITING. Give nothing by mouth.  
**Inhalation:** Not a hazard under normal use conditions. If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.  
**Skin Contact:** Flush with copious amounts of water. Remove contaminated clothing and shoes, and launder before reuse. Get medical attention if irritation persists.

## 5. FIRE FIGHTING MEASURES

### Flammable Properties

Flash Point  $F(^{\circ}C)$ : 410 - 440 F.  
Flash Point Method: TAG Open Cup  
Flammable Limits in Air - Lower (%): Not Determined  
Flammable Limits in Air - Upper (%): Not Determined

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### 5. FIRE FIGHTING MEASURES

**Autoignition Temperature F(°C):** Not Determined  
**Extinguishing Media:** Water fog, carbon dioxide, foam, dry chemical.  
**Protection Of Fire-Fighters:**  
**Special Fire-Fighting Procedures:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Do not release runoff from fire control methods to sewers or waterways.  
**Hazardous Combustion Products:** Oxides of carbon, nitrogen and phosphorus. Hydrogen Sulfide.  
**Aerosol Comments:** Not Applicable

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective clothing and equipment to prevent skin and eye contact.  
**Spill Procedures:** Wear protective equipment specified. Contain any liquid from leaking containers.  
**Action to be taken if material is released or spilled:** Absorb spills on inert material such as perlite, vermiculite, sand or dirt. Place in double polyethylene bags. Isolate from other waste materials. Wash walking surfaces with detergent and water to reduce slipping hazard.  
**Environmental Precautions:** Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

### 7. HANDLING AND STORAGE

**Handling and Storage:** Avoid contact with eyes. Keep containers tightly closed when not in use. Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Contaminated disposable clothing should be discarded in accordance with local, state and federal rules. Wash thoroughly after handling. Do Not Swallow.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Eyewash stations. Showers. Use local exhaust.  
**Eyes:** Wear safety glasses or goggles to protect against exposure.  
**Skin Protection:** Use chemical resistant gloves for prolonged skin contact. Launder contaminated clothing before reuse.  
**Respiratory Protection:** Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Light yellow to amber color liquid.  
**Odor:** MILD HYDROCARBON  
**pH Value:** Not Determined  
**Vapor Pressure:** >1 mm Hg @ 20 C.  
**Vapor Density (Air=1):** Not Determined  
**Boiling Point (°F):** Not Determined  
**Melting/Freezing Point:** Not Determined.  
**Solubility in Water:** SLIGHT  
**Bulk Density at 20°C:** Not Determined  
**Molecular Weight:** Mixture  
**Specific Gravity (H2O=1):** <1.00 @ 60F  
**Viscosity:** Not Determined  
**Evaporation Rate:** Not Determined  
**VOC Content(%):** Not determined.  
**Decomposition Temperature:** Not Known

### 10. STABILITY AND REACTIVITY

**Chemical Stability:** STABLE.  
**Conditions to Avoid:** Keep away from heat, sparks and flame.  
**Materials to Avoid:** Strong oxidizing agents.  
**Hazardous Decomposition Products:** Oxides of nitrogen. Oxides of carbon. Oxides of phosphorus. Hydrogen sulfide  
**Hazardous Polymerization:** WILL NOT OCCUR

### 11. TOXICOLOGICAL INFORMATION

**Toxicological Data:**

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Component	Route	Species	Dose
Refined Petroleum Oil and selected additives Not Availabl	Oral	Rats	LD50 5000 mg/kg
Zinc Dithiophosphate 19210-06-1	Oral	Rats	LD50 4170 mg/kg

**Carcinogenicity:**

Component	IARC	NTP	OSHA
Refined Petroleum Oil and selected additives Not Availabl	Not Listed	Not Listed	Not Listed
Zinc Dithiophosphate 19210-06-1	Not Listed	Not Listed	Not Listed

**Comments:** No component known to be present in this product at >.1% is presently listed as a carcinogen by IARC, NTP or OSHA.

### 12. ECOLOGICAL INFORMATION

**Remarks:** Ecological testing has not been conducted on this product.

### 13. DISPOSAL CONSIDERATION

**Waste Classification:** If disposed of, this material may be hazardous for disposal under RCRA due to reactivity.  
**Waste Management:** Not determined.  
**Disposal Method:** Disposal should be made in accordance with federal, state and local regulations.

### 14. TRANSPORTATION INFORMATION

**U.S. DOT:**  
**Proper Shipping Name:** Not Regulated  
**Hazard Class:** Not Applicable  
**UN/NA Number:** Not Applicable  
**DOT Packing Group:** Not Applicable

**IMDG:**  
**Proper Shipping Name:** Not Regulated  
**Hazard Class:** Not Applicable  
**Hazard Subclass:** Not Applicable  
**UN No.:** Not Applicable  
**Packing Group:** Not Applicable  
**Marine Pollutant:** No

### 15. REGULATORY INFORMATION

**US Federal Regulations:**

Component	SARA 313	SARA 302	TPQ	RQ
Refined Petroleum Oil and selected additives Not Availabl	Not Listed	Not Listed	Not Listed	Not Listed
Zinc Dithiophosphate 19210-06-1	Listed.	Not Listed	Not Listed	Not Listed

**US OSHA HEALTH CLASSIFICATION:** Hazardous per OSHA 29 CFR 1910.1200  
**SARA 311/312 Hazard Catagories:** Immediate Delayed

**State Regulations:**

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Component	California Prop. 65 Cancer list	California - Prop 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Refined Petroleum Oil and selected additives Not Availabl	Not Listed	Not Listed	Not Listed	Not Listed
Zinc Dithiophosphate 19210-06-1	Not Listed	Not Listed	Not Listed	Not Listed

Component	New Jersey Right-to-Know List:
Zinc Dithiophosphate 19210-06-1	Substance no. 3012

**U.S. TSCA:** One or more components of this product is not listed on the TSCA Inventory.  
**Canadian Inventory:** One or more components of this product is not listed on the Canadian DSL or NDSL Inventory.

**Consumer Product Safety Improvement Act of 2008 General Conformity Certification**

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.

### 16. OTHER INFORMATION

**General Notes:**  
**Disclaimer:** Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system. The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.