

**MATERIAL SAFETY DATA SHEET****1. Product And Company Identification**

MSDS ID: MSDS246  
PRODUCT NAME: Prestone® Power Steering Fluid and Stop Leak  
PRODUCT NUMBER: AS262, AS262-55, AS263  
FORMULA NUMBER: 2199-17, 2187-116

MANUFACTURER:  
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EMERGENCY PHONE NUMBER: CHEMTREC (800)424-9300 (in the US) CANUTEC (613)996-6666 (in Canada)  
MSDS DATE OF PREPARATION/REVISION: 3/14/07

PRODUCT USE: Automobile fluid – consumer product

**2. Composition/Information On Ingredients**

Component	CAS No.	Amount
Refined Petroleum Distillates	64741-88-4 64742-58-1	95-100
Heterocyclic Ether	Proprietary	0-2
Zinc Alkyldithiophosphate	Proprietary	0-1
Proprietary Additive	Proprietary	0-5

(See Section 8 for Exposure Limits)

**3. Hazards Identification**

Clear amber liquid with a mild petroleum odor.

**EMERGENCY OVERVIEW**

May cause mild transient eye and skin irritation. Oil injection into the skin from high-pressure hydraulic systems may cause severe injury. Seek medical attention immediately. Surgical removal may be necessary. Breathing high vapor concentrations may cause headache, dizziness, drowsiness or lung irritation. If the product is swallowed, there is a slight chance aspiration may occur resulting in lipid pneumonitis.

**4. First Aid Measures**

**INHALATION:** If symptoms of exposure develop, remove to fresh air. If breathing becomes difficult, administer oxygen. Administer artificial respiration if breathing has stopped. Seek immediate medical attention.

**SKIN CONTACT:** Remove contaminated clothing. Wash all affected and exposed areas with soap and water. If skin irritation or redness develops and persists, seek medical attention. High pressure injection of this product through the skin is a medical emergency. This product must be removed completely from under the skin. Seek immediate medical attention.

**EYE CONTACT:** Exposed eyes should be immediately flushed with copious amounts of water using a steady stream for a minimum of 15 minutes. If irritation, pain, swelling or tearing persist, seek medical attention.

**INGESTION:** If swallowed, get immediate medical attention by calling an emergency room or poison control center. Do not make the person vomit. If medical advice cannot be obtained, then take the person and product to the nearest medical emergency center or hospital. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Never give anything by mouth to a person who is unconscious or drowsy.

**NOTES TO PHYSICIAN:** There is no specific antidote. The petroleum oil and other ingredients in this product are unlikely to produce systemic symptoms following accidental ingestion. Upon ingestion, there is a slight risk of aspiration in the lungs which can lead to pneumonitis and non-cardiogenic pulmonary edema. Do not induce vomiting. If aspiration is suspected the patient should be observed for sign of lung injury. Treatment should be directed at the control of symptoms and clinical conditions. Subcutaneous or intramuscular injection requires prompt surgical debridement. There may be no signs of injury or pain initially. Failure to provide immediate treatment may result in extensive necrosis.

#### 5. Firefighting Measures

**EXTINGUISHING MEDIA:** Use water fog, foam, carbon dioxide or dry chemical. Cool fire exposed containers with water. Water may cause frothing.

**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

**UNUSUAL FIRE HAZARDS:** This product can burn but will not readily ignite. Vapors may be released when heated above the flashpoint that can ignite when exposed to an ignition source. In enclosed spaces, heated vapor can ignite with explosive force. Mists or sprays may burn at temperatures below the flashpoint. Containers may rupture from excessive heat.

**HAZARDOUS COMBUSTION PRODUCTS:** Burning may produce carbon monoxide, carbon dioxide, traces oxides of sulfur, phosphorous, zinc and nitrogen.

#### 6: Accidental Release Measures

Wear appropriate protective clothing and equipment (See Section 8). Collect material with an inert absorbent material and shovel into appropriate container for disposal. For large spill, recover free product by pumping and place in appropriate, labeled container. This product can create a spill hazard. Keep out of sewers, watercourses and low areas.

#### 7. Handling and Storage

Avoid contact with the eyes.

Avoid prolonged or repeated contact with skin and clothing.

Avoid breathing vapors or mists.

Use with adequate ventilation.

Wash exposed skin with soap and water after use.

Keep container away from excessive heat and open flames.

Keep containers closed when not in use.

Store in a cool, dry, well ventilated area.

Empty containers retain product residue and may be hazardous. Do not cut, weld, drill, etc. containers, even empty. Do not reuse empty containers unless properly cleaned.

**8. Exposure Controls / Personal Protection****EXPOSURE LIMITS**

CHEMICAL	EXPOSURE LIMIT
Petroleum Distillates	500 ppm TWA OSHA PEL
Heterocyclic Ether	None Established
Zinc Alkyldithiophosphate	None Established
Proprietary Additive	None Established

**VENTILATION:** None needed under normal use conditions. For operations where the TLV for oil mist may be exceeded, forced ventilation such as local exhaust is required to maintain exposures below the occupational exposure limits.

**RESPIRATORY PROTECTION:** None under normal use conditions. For operations where the TLV for oil mist may be exceeded, a NIOSH/MSHA approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

**GLOVES:** Impervious gloves such as heavy nitrile or neoprene are recommended where prolonged skin contact may occur. Use heat-resistant gloves when handling product at elevated temperatures.

**EYE PROTECTION:** Safety glasses or chemical splash goggles are recommended.

**OTHER PROTECTIVE EQUIPMENT/CLOTHING:** Appropriate protective clothing as needed to minimize skin contact. Suitable eye flushing facilities should be available in the work area. Contaminated clothing should be immediately removed and laundered before re-use.

**9. Physical and Chemical Properties**

**APPEARANCE AND ODOR:** Clear amber liquid with a mild petroleum odor. There is no odor threshold for this product.

pH: N/A	SPECIFIC GRAVITY: 0.88
BOILING POINT (F): Not determined	VAPOR PRESSURE: <0.1 mm Hg @ 20°C
FREEZING POINT (F): Not applicable	VAPOR DENSITY: Greater than 1
SOLUBILITY IN WATER: Insoluble	PERCENT VOLATILE: Negligible
VISCOSITY: 44-47cSt @ 40°C	EVAPORATION RATE: Not determined
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not determined	AUTOIGNITION TEMP: Not Determined
FLASH POINT: >300°F (149°C)	
FLAMMABILITY LIMITS: Not determined	

**10. Stability and Reactivity**

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Keep away from heat, sparks and open flames.

**INCOMPATIBILITY:** Strong oxidizing agents, acid and caustics.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion will produce carbon monoxide, carbon dioxide, traces of oxides of sulfur, phosphorous, zinc and nitrogen.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**11. Toxicological Information**

**POTENTIAL HEALTH EFFECTS:**

**ACUTE HAZARDS:**

**INHALATION:** Inhalation of the product is unlikely with normal use. Prolonged exposure to mists or vapors in a poorly ventilated areas may result in dizziness, drowsiness, headache, nausea and in extreme cases, lipid pneumonitis.

**SKIN CONTACT:** Contact may cause may cause slight reddening and irritation. High pressure injection of this product through the skin may cause possible extensive tissue damage resulting in loss of a finger, hand or arm. There may be no sign of initial injury or pain.

**EYE CONTACT:** Direct eye contact may result in mild inflammation or irritation.

**INGESTION:** Ingestion of this product is not expected to result in any acute systemic toxic effects. If more than several mouthfuls are swallowed, abdominal discomfort, headache, drowsiness, belching, nausea, vomiting and diarrhea may occur. There is a slight chance aspiration into the lungs during ingestion or vomiting following ingestion may result in lipid pneumonitis.

**CHRONIC HAZARDS:** Prolonged or repeated skin contact may remove skin oil, leading to possible skin irritation or dermatitis.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Prolonged or repeated skin contact may aggravate an existing skin condition such as acne, seborrhea or dermatitis.

**CARCINOGEN:** None of the components of this product present at greater than 0.1% are listed as carcinogens by OSHA, IARC or NTP.

**Acute Toxicity Values:**

No toxicity data available.

**12. Ecological Information**

No ecotoxicity data is available for this product or its components this time.

**13. Disposal Considerations**

Recycle, incinerate or landfill in accordance with all local, state/provincial and federal regulations.

**14. Transport Information**

**U.S. DOT HAZARD CLASSIFICATION**

**U.S. DOT HAZARD CLASSIFICATION**

PROPER SHIPPING NAME: Not Regulated

TECHNICAL NAME: None

UN NUMBER: None

HAZARD CLASS/PACKING GROUP: Not Applicable

LABELS REQUIRED: None

**DOT MARINE POLLUTANTS:** This product does not contain Marine Pollutants as defined in 49 CFR 171.8.

IMDG CODE SHIPPING CLASSIFICATION

DESCRIPTION: Not Regulated  
ID NUMBER: None  
HAZARD CLASS: None  
PACKING GROUP: None  
LABELS REQUIRED: Not Applicable  
PLACARDS REQUIRED: None

**15. Regulatory Information**

EPA SARA 311/312 HAZARD CLASSIFICATION: Not hazardous

EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):

Zin Alkyldithiophosphate (zinc compound) 0-1%

PROTECTION OF STRATOSPHERIC OZONE: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA SECTION 103: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CALIFORNIA PROPOSITION 65: This product contains the following chemicals regulated under California Proposition 65:

Toluene (developmental)	108-88-3	0.0009%
Propylene oxide (cancer)	75-56-9	0.0001%
Ethyl Acrylate (cancer)	140-78-6	0.0003%
Benzo(a) anthracene (cancer)	56-55-3	<0.001%
Benzo(k) fluoroanthene (cancer)	207-08-9	<0.001%
Benzo(a) pyrene (cancer)	50-32-8	<0.001%
Benzo(b) fluoranthene	205-99-2	<0.001%
Chrysene (cancer)	218-01-9	<0.001%
Debenz (a,h) anthracene (cancer)	53-70-3	<0.001%
Indeno(1,2,3-cd)pyrene (cancer)	193-39-5	<0.001%

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the ingredients are listed on the Canadian Domestic Substances List.

CANADIAN WHMIS CLASSIFICATION: Not classified as hazardous

AUSTRALIA: All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances.

JAPAN: One or more of the ingredients of this product are not listed on the Japanese Existing and New Chemical Substances (MITI) List.

KOREA: All of the ingredients of this product are listed on the Korean Existing Chemical List (KECL).

PHILIPPINES: All of the ingredients of this product are listed on the Philippine Inventory of Chemical and Chemical Substance (PICCS)

CHINA: One or more of the ingredients of this product are not listed on the Chinese Inventory of Existing Chemical Substances (IECSC).

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

<b>16. Other Information</b>
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NFPA Rating: Fire: 1                      Health: 0                      Reactivity: 0

REVISION SUMMARY:    All: New Format

This MSDS is directed to professional users and bulk handlers of the product. Consumer products are labeled in accordance with Federal Hazardous Substances Act regulations.

While Prestone Products Corporation believes that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of tests conducted, the data are not to be taken as a warranty or representation for which Prestone Products Corporation assumes legal responsibility. They are offered for your consideration, investigation and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

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