



## Material Safety Data Sheet

### The Armor All/STP Products Company

44 Old Ridgebury Road  
Suite 300  
Danbury, CT 06810  
Tel. 1-203-205-2900

## 1. Product And Company Identification

**Product Name:** STP® Power Steering Fluid

**Responsible Party:** The Armor All/STP Products Company  
44 Old Ridgebury Road  
Suite 300  
Danbury, CT 06810

**Information Phone Number:** +1 203-205-2900

**Emergency Phone Number:**

For Medical Emergencies, call 1-866-949-6465 / +1 303-389-1332 (Outside US and Canada)  
For Transportation Emergencies, call 1-800-424-9300 (Chemtrec) +1-703-527-3887 for  
Outside US and Canada (call collect)

**MSDS Date Of Preparation:** 09/10/14

**Product Use:** Automotive maintenance product – For consumer and professional use

## 2. Hazards Identification

### EMERGENCY OVERVIEW

**CAUTION:** Inhalation of mists or vapors generated at elevated temperatures may cause respiratory irritation. Prolonged skin contact may cause dryness and defatting.

## 3. Composition/Information On Ingredients

Component	CAS No.	Amount
Mineral Oil	64742-54-7/64742-65-0	90-100%
Zinc alkyl dithiophosphate	68649-42-3	<1%

## 4. First Aid Measures

**Inhalation:** If symptoms of exposure develop, remove to fresh air. Get medical attention if symptoms appear and persist.

**Skin Contact:** Remove contaminated clothing and launder before reuse. Wash exposed skin with soap and water. If skin irritation or redness develops, get medical attention.

**Eye Contact:** Flush eyes with large amounts of water. If irritation or other symptoms persist, get medical attention.

**Ingestion:** DO NOT induce vomiting. If the victim is fully conscious, have them rinse their mouth with water. Get medical assistance by calling a doctor or poison center. Never give anything by mouth to a person who is unconscious or drowsy.

## 5. Firefighting Measures

**Extinguishing Media:** Use water fog, foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

**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:** Closed containers may rupture if exposed to extreme heat.



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**Hazardous Combustion Products:** Burning may produce carbon monoxide and carbon dioxide, zinc oxide and hydrocarbons.

### 6: Accidental Release Measures

**Personal Precautions:** Caution – slip hazard. Eliminate all ignition sources and ventilate the area. Wear appropriate protective equipment.

**Environmental Precautions:** Prevent entry in storm sewers and waterways. Report spill as required by local and national regulations. Notify the National Response Center if a spill of any amount enters navigable waters, the contiguous zone, or adjoining shorelines.

**Methods for Containment and Clean-Up:** Stop spill at the source if it is safe to do so. Absorb with an inert material. Collect into a suitable container for disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard.

### 7. Handling and Storage

Avoid contact with eyes. Avoid prolonged contact with skin and clothing. Avoid breathing vapors and mists. Wash exposed skin thoroughly with soap and water after use. Keep containers closed when not in use. Do not permit smoking in use or storage areas. Keep out of the reach of children.

Store in a cool, dry, well ventilated area. Store away from oxidizing agents and other incompatible materials.

Empty containers retain product residue and may be hazardous. Do not reuse empty containers.

### 8. Exposure Controls / Personal Protection

CHEMICAL	EXPOSURE LIMIT
Mineral Oil	5 mg/m <sup>3</sup> inhalable TWA ACGIH TLV 5 mg/m <sup>3</sup> TWA OSHA PEL
Zinc alkyl dithiophosphate	None Established

**Ventilation:** General ventilation should be adequate for all normal use. For operations where the TLV may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits.

**Respiratory Protection:** None under normal use conditions. For operations where the TLV is exceeded, a NIOSH 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 neoprene or nitrile are recommended if needed to avoid prolonged or repeated skin contact.

**Eye Protection:** Safety glasses or goggles are recommended if eye contact is possible.

**Other Protective Equipment/Clothing:** Appropriate protective clothing as needed to prevent prolonged/ repeated skin contact.

### 9. Physical and Chemical Properties

**Appearance And Odor:** Light to dark amber liquid with a petroleum-like odor.



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<b>pH:</b> Not applicable	<b>Specific Gravity:</b> 0.88
<b>Boiling Point:</b> >620°F (326°C)	<b>Vapor Pressure:</b> Not determined
<b>Freezing Point:</b> Not determined	<b>Vapor Density:</b> Not determined
<b>Solubility In Water:</b> Insoluble	<b>Percent Volatile:</b> Nil
<b>Viscosity:</b> Not determined	<b>Evaporation Rate:</b> Not determined
<b>Coefficient Of Water/Oil Distribution:</b> Not determined	<b>Autoignition Temp:</b> Not Determined
<b>Flash Point:</b> 390°F (200°C) COC minimum	
<b>Flammability Limits:</b> LEL: Not determined	UEL: Not determined

### 10. Stability and Reactivity

**Stability:** Stable

**Conditions To Avoid:** Keep away from excessive heat and open flames.

**Incompatibility:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Burning may produce carbon monoxide, carbon dioxide, zinc oxide and hydrocarbons.

### 11. Toxicological Information

#### **Acute Hazards:**

**Inhalation:** Inhalation of mists or vapors generated at elevated temperatures may cause upper respiratory tract irritation.

**Skin Contact:** Not a skin irritant. Prolonged or repeated contact may cause defatting and drying of the skin and dermatitis.

**Eye Contact:** No significant irritation is expected.

**Ingestion:** Swallowing may cause gastrointestinal irritation with nausea, vomiting and diarrhea.

**Chronic Hazards:** None currently known.

**Medical Conditions Aggravated By Exposure:** Because of its defatting properties, this product may aggravate an existing dermatitis.

**Carcinogen:** None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA.

#### **Acute Toxicity Values:**

Mineral Oil: LD50 Oral Rat: >5,000 mg/kg; LD50 Skin Rabbit: >5000 mg/kg

Zinc alkyl dithiophosphate: LD50 Oral Rat: 2230-3100 mg/kg; LD50 Skin Rat >2000 mg/kg

### 12. Ecological Information

No ecotoxicity data is currently available.

### 13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations.



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### 14. Transport Information

**DOT Hazardous Materials Description:** Not Regulated

**Canadian TDG Hazardous Materials Description:** Not Regulated

**IMDG Dangerous Goods Description:** Not Regulated

### 15. Regulatory Information

#### United States:

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

**CERCLA Section 103:** This product has no RQ, however, oil spills must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**SARA Hazard Category (311/312):** Not Hazardous

**SARA 313:** This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): Zinc compounds below deminimus concentration

#### Canada:

**Canadian WHMIS Classification:** Not a controlled product.

**Canadian Environmental Protection Act:** All of the ingredients are listed on the Canadian Domestic Substances List.

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.

### 16. Other Information

NFPA Rating (NFPA 704):	Health: 0	Fire: 1	Instability: 0
HMIS Rating:	Health: 0	Fire: 1	Reactivity: 0

REVISION SUMMARY: Revision change.

DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH