



# Material Safety Data Sheet

Revision Date: 2006-01-20 14:57:48

## I. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** ADVANCED AUTO PARTS POWER STEERING FLUID  
**Product Code:** AD31PSPL

**Emergency Phone:** (800) 424-9300 (202) 483-7616 (CHEMTREC)  
**Poison Control Center:** (800) 222-1222  
**Company:** Warren Distribution, Inc.  
727 S. 13th St.  
Omaha, Ne 68102

**Information Phone:** (800) 825-1235 (402) 341-9397  
**Revision Number:** 4

## II. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name   | %       | CAS #      | OSHA Exposure Limits |
|---|---------|------------|----------------------|
| Severely solvent refined heavy paraffinic petroleum oil | 40 - 70 | 64741-88-4 | No PEL established   |
| Distillates, hydrotreated heavy paraffinic              | 7 - 13  | 64742-54-7 | No PEL established   |
| Ester copolymer   | 1 - 5   | No CAS #   | No PEL established   |

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

## III. HAZARDS IDENTIFICATION

**Target Organs Potentially Affected by Exposure:** None known

**Chemical Interactions That Change Toxicity:** No chemical interaction known to affect toxicity.

### Immediate (Acute) Health Effects by Route of Exposure:

**Inhalation Irritation:** Breathing oil mist in concentrations that exceed the TLV and PEL may result in respiratory discomfort and irritation.

**Skin Contact:** Can cause minor skin irritation, defatting, and dermatitis.

**Eye Contact:** Can cause minor irritation.

**Ingestion Irritation:** Although this product has a low order of acute oral toxicity, aspiration of minute amounts into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

### Long-Term (Chronic) Health Effects:

**Carcinogenicity:** Not a carcinogen according to NTP, IARC, or OSHA.

**Reproductive and Developmental Toxicity:** No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

**Mutagenicity:** No data available.

**Inhalation:** Breathing oil mist in concentrations that exceed the TLV and PEL may result in respiratory discomfort and irritation.

**Skin Contact:** Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.

### HMIS Ratings:

**Health:** 0  
**Flammability:** 1  
**Reactivity:** 0  
**PPE:** B

0 - Least      1 - Slight      2 - Moderate      3 - High      4 - Extreme



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### IV. FIRST-AID MEASURES

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- Inhalation:** If overcome by vapor from hot product, immediately remove victim to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately. If overexposed to oil mist, remove from further exposure.
- Eyes:** Use eye wash to remove a chemical from the eye. Flush the affected eye for at least fifteen minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical attention if irritation persists.
- Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
- Ingestion:** Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this MSDS.
- Notes to Doctor:** Aspiration during swallowing or vomiting may severely damage the lungs.

### V. FIRE FIGHTING MEASURES

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- Flammability Summary:** **Not combustible/ not flammable.**
- Extinguishing Media:** Use water spray, foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.
- Fire and/or Explosion Hazards:** Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
- Fire Fighting Methods and Protection:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.
- Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

### VI. ACCIDENTAL RELEASE MEASURES

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- Personal Precautions and Equipment:** No adverse health effects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section VIII of this MSDS.
- Methods for Clean-up:** Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

### VII. HANDLING AND STORAGE

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- Handling Technical Measures and Precautions:** No special handling instructions due to toxicity.
- Storage Technical Measures and Conditions:** Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Do not expose to extreme temperatures or flames.

### VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

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- Engineering Measures:** Local exhaust ventilation or other engineering controls may be required when handling or using this product to avoid overexposure.



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- Respiratory Protection:** Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.
- Respirator Type(s):** None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.
- Eye Protection:** Wear safety glasses when handling this product if there is a likelihood of contact with eyes.
- Skin Protection:** Where use can result in skin contact, practice good personal hygiene and wear impervious gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
- Gloves:** Neoprene

### Control Parameters:

| Chemical Name   | ACGIH TLV-TWA | ACGIH STEL | IDLH |
|---|---------------|------------|------|
| Severely solvent refined heavy paraffinic petroleum oil | No TLV        |            | ND   |
| Distillates, hydrotreated heavy paraffinic              | No TLV        |            | ND   |
| Ester copolymer   | No TLV        |            | ND   |

OSHA PEL TWA for oil mist is 5mg/m<sup>3</sup>, ACGIH TLV TWA for oil mist is 5mg/m<sup>3</sup>, ACGIH STEL for oil mist is 10mg/m<sup>3</sup>

## IX. PHYSICAL AND CHEMICAL PROPERTIES

|                             |                                |
|-----------------------------|--------------------------------|
| <b>Physical State:</b>      | Liquid                         |
| <b>Color:</b>               | Depends upon product selection |
| <b>pH:</b>                  | ND                             |
| <b>Solubility in Water:</b> | Negligible; 0-1%               |
| <b>Specific Gravity:</b>    | 0.864                          |
| <b>Bulk Density:</b>        | 8.345                          |

## X. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Stability:</b>                                   | Stable under normal conditions.   |
| <b>Conditions to Avoid:</b>                         | Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.   |
| <b>Materials to Avoid/Chemical Incompatibility:</b> | Strong oxidizing agents   |
| <b>Hazardous Decomposition Products:</b>            | Carbon monoxide, sulfur oxides, aldehydes, and other petroleum decomposition products in the case of incomplete combustion. Oxides of nitrogen, phosphorus, calcium, copper, magnesium, sodium, and hydrogen sulfide may also be present. |

## XI. TOXICOLOGICAL INFORMATION

### Component Toxicology Data (NIOSH):

| Chemical Name  | CAS Number | LD50/LC50  |
|--|------------|--|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | Oral LD50 Rat: >15 g/kg; Dermal LD50 Rabbit: >5 g/kg |

## XII. ECOLOGICAL INFORMATION

|                     |  |
|---------------------|--|
| <b>Overview:</b>    | Moderate ecological hazard. This product may be dangerous to plants and/or wildlife. |
| <b>Mobility:</b>    | No data  |
| <b>Persistence:</b> | No data  |



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Bioaccumulation: No data  
Degradability: No data  
Ecological Toxicity Data: 0

### XIII. DISPOSAL CONSIDERATIONS

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**Disposal of Packaging:** Recycle containers whenever possible.  
**Disposal Methods:** Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

### XIV. TRANSPORTATION INFORMATION

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DOT & IMDG: NOT RESTRICTED

### XV. REGULATORY INFORMATION

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**TSCA Status:** A component or components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

| Chemical Name                           | CAS #    | Regulation                 | % Range     |
|---|----------|----------------------------|-------------|
| No 313-listed chemicals above threshold |          | SARA 313                   |             |
| Toluene                                 | 108-88-3 | CA Prop 65 - Dev. toxicity | 0.001- 0.01 |
| Toluene                                 | 108-88-3 | Massachusetts RTK List     | 0.001- 0.01 |
| Toluene                                 | 108-88-3 | New Jersey RTK List        | 0.001- 0.01 |
| Benzene, methyl-                        | 108-88-3 | Pennsylvania RTK List      | 0.001- 0.01 |

### XVI. ADDITIONAL INFORMATION

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**Disclaimer:** This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.