SAFETY DATA SHEET

1. Product And Company Identification

SDS ID: SDS 705
PRODUCT NAME: Prestone® Power Steering Fluid for American Vehicles
PRODUCT NUMBER: AS-264Y, 77463, 77489PDQ-6, 77463-PDQ-6, AS264YPDQ-6
FORMULA NUMBER: 2479-007, 2811-37B

MANUFACTURER:
Prestone Products Corporation
69 Eagle Rd.
Danbury, CT 06810

CANADIAN OFFICE:
Prestone Canada
33 MacIntosh Blvd.
Concord, ON L4K 4L5

MEXICO OFFICE:
ASG Operations Mexico S. de R.L. de C.V.
Carretera Mexico Cuautitlan, Kilometro 31.5, Nave Industrial 5,
Loma Bonita, Cuautitlan, Mexico, 54800

MEDICAL EMERGENCIES AND ALL OTHER INFORMATION PHONE NUMBER:
(888)269-0750 (in the US and Canada)
01-800-715-4135 (in Mexico)
TRANSPORTATION EMERGENCY PHONE NUMBER (Chemical Spills and Transport Accidents only):
CHEMTREC 1-800-424-9300 (in the US and Canada) +1 703 741-5970 (outside the US and Canada)

PRODUCT USE: Automobile fluid – consumer product
RESTRICTIONS ON USE: None identified

2. Hazards Identification

GHS/HAZCOM 2012 Classification:

Health	Physical
Not Hazardous	Not Hazardous

Label Elements: None required

3. Composition/Information on Ingredients

Component	CAS No.	Amount
1-Decene homopolymer, hydrogenated	68037-01-4	10 - 80 %
1-Decene trimer, hydrogenated	68649-12-7	10 - 80 %
Hexanedioic acid, ditridecyl ester	16958-92-2	3 – 7%
Zinc and Zinc Compounds	Proprietary	<1 %
Phosphonic acid, dibutyl ester	1809-19-4	<1 %

The exact concentrations are a trade secret.

4. First Aid Measures

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

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 several minutes. If irritation, pain, swelling or tearing persist, seek medical attention.

INGESTION: Do not induce vomiting. Get immediate medical assistance by calling an emergency room or poison control center. If medical advice cannot be obtained, take the person and product to the nearest medical emergency treatment 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.

MOST IMPORTANT SYMPTOMS: Upon ingestion, there is a slight risk of aspiration in the lungs which can lead to pneumonitis and non-cardiogenic pulmonary edema. Prolonged skin contact may cause irritation. Breathing high vapor concentrations may cause headache, dizziness, drowsiness or lung irritation.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT, IF NEEDED: Oil injection into the skin from high-pressure hydraulic systems may cause severe injury. Seek medical attention immediately. Surgical removal may be necessary.

NOTES TO PHYSICIAN: There is no specific antidote. The petroleum oils 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

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

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: 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. Burning may produce carbon monoxide, carbon dioxide, traces oxides of sulfur, phosphorous, zinc and nitrogen.

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.

6: Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Wear appropriate protective clothing and equipment (See Section 8).

METHODS AND MATERIALS FOR CONTAINMENT/CLEANUP: 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. Use caution when walking in spilled area. This product can create a slip hazard. Keep out of sewers, watercourses and low areas.

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING: 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.

High pressure injection of this product through the skin is a medical emergency.

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.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:
Keep container away from excessive heat and open flames. Keep containers closed when not in use. Store in a cool, dry, well-ventilated area.

NFPA CLASSIFICATION: IIIB

8. Exposure Controls / Personal Protection

EXPOSURE GUIDELINES

CHEMICAL	EXPOSURE LIMIT
1-Decene homopolymer, hydrogenated (As mineral oil mist)	5 mg/m^3 OSHA PEL 5 mg/m^3 ACGIH TLV (Inhalable)
1-Decene trimer, hydrogenated (As mineral oil mist)	5 mg/m^3 OSHA PEL 5 mg/m^3 ACGIH TLV (Inhalable)
Hexanedioic acid, ditridecyl ester	None Established
Zinc and Zinc Compounds	None Established
Phosphonic acid, dibutyl ester	None Established

APPROPRIATE ENGINEERING CONTROLS: None needed under normal use conditions. For operations where the exposure limit is exceeded, forced ventilation such as local exhaust is required.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: None under normal use conditions. For operations where exposure limits are 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 heavy nitrile 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:	Green liquid	ODOR:	Mild petroleum odor
ODOR THRESHOLD:	None	pH:	Not determined
MELTING/FREEZING POINT:	Not available	BOILING POINT/RANGE:	Not available
FLASH POINT:	365°F (185°C) PMCC	EVAPORATION RATE:	Not determined
FLAMMABILITY (SOLID, GAS)	Not Applicable	FLAMMABILITY LIMITS:	LEL: Not determined UEL: Not determined
VAPOR PRESSURE:	< 0.01 mm Hg @ 20°C	VAPOR DENSITY (air = 1):	>1 (Air =1)
RELATIVE DENSITY:	0.87	SOLUBILITIES	Water: Insoluble
PARTITION COEFFICIENT (n-octanol/water)	Not determined	AUTOIGNITION TEMPERATURE:	Not determined

DECOMPOSITION TEMPERATURE:	Not determined	VISCOSITY:	27 cST @ 40°C

10. Stability and Reactivity

REACTIVITY: Normally unreactive

CHEMICAL STABILITY: Stable

POSSIBILITY OF HAZARDOUS REACTIONS: Reaction with strong oxidizers will generate heat.

CONDITIONS TO AVOID: Keep away from excessive heat and open flames.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

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

11. Toxicological Information

POTENTIAL HEALTH EFFECTS:

ACUTE HAZARDS:
INHALATION: At elevated temperatures or in enclosed spaces, product mist or vapors may irritate the mucous membranes of the nose, the throat, bronchi, and lungs; based on data from similar products.

SKIN CONTACT: Prolonged contact may cause mild 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 transient irritation with redness, tearing, stinging and swelling.

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. If swallowed, aspiration into the lungs during ingestion or vomiting may result in lipid pneumonitis.

CHRONIC EFFECTS: Prolonged or repeated skin contact may remove skin oil, leading to possible skin irritation or dermatitis. In extreme, prolonged exposures to mists, or vapors in poorly ventilated may result in lipid pneumonitis.

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

ACUTE TOXICITY VALUES:

1-Decene homopolymer, hydrogenated:	LD50 Oral Rat: >2,000 mg/kg LD50 Dermal Rabbit: >2,000 mg/kg
1-Decene trimer, hydrogenated	LD50 Oral Rat: >2,000 mg/kg LD50 Dermal Rabbit: >2,000 mg/kg
Hexanedioic acid, ditridecyl ester:	LD50 Oral Rat: >5,000 mg/kg LD50 Dermal Rabbit: >2,000 mg/kg
Phosphonic acid, dibutyl ester:	LD50 Oral Rat: 3,200 mg/kg LD50 Dermal Rabbit: >1,990 mg/kg

12. Ecological Information

ECOTOXICITY: No data available for product.

PERSISTENCE AND DEGRADABILITY: Inherently biodegradable in aerobic conditions. Partition Coefficient (log Kow): >6 (based on similar materials)

BIOACCUMULATIVE POTENTIAL: No data available for product.

MOBILITY IN SOIL: No data available for product.

OTHER ADVERSE EFFECTS: Analysis for ecological effects has not been conducted on this product. However, if spilled, this product and any contaminated soil or water may be harmful to human, animal, and aquatic life. Also, the coating action associated with petroleum products can be harmful or fatal to aquatic life and water fowl.

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: Not Regulated

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

IMDG CODE SHIPPING CLASSIFICATION: Not Regulated

CANADIAN TDG CLASSIFICATION: Not Regulated

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):

Zinc compounds	Proprietary	<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.

CALIFORNIA PROPOSITION 65:
This product contains the following chemicals regulated under California Proposition 65: None known

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

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

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

JAPAN: All of the ingredients of this product are listed on the Japanese Existing and New Chemical Substances (MITI) List.

NEW ZEALAND: All of the ingredients of this product are listed on the New Zealand Inventory of Chemicals (NZIoC).

16. Other Information

NFPA RATING (NFPA 704) - FIRE: 1 HEALTH: 1 INSTABILITY: 0

REVISION SUMMARY: Section 1: Add Formula Number.

SDS Date of Preparation/Revision: August 21, 2018

This SDS 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.