

**MSDS - Material Safety Data Sheet****Product Name: POWER STEERING FLUID WITH STOP LEAK**

MSDS No.: M2713

**I. Basic Information:****Manufacturer:** RADIATOR SPECIALTY COMPANY**Address:** 600 RADIATOR ROAD**City, ST Zip:** INDIAN TRAIL, NC 28079**Country:****Contact:** Robert Geer**Information Telephone Number:** 704-684--181 1**Emergency Contact:** Rocky Mountain Poision Control Center**Emergency Telephone Number:** 303-623-5716**Emergency Restrictions:****Product Name:** POWER STEERING FLUID WITH STOP LEAK**MSDS No.:** M2713**Issue Date:** 10/12/2009**Supersedes Date:** 03/10/2009**II. Hazards Identification:****EMERGENCY OVERVIEW**

Danger: Harmful or Fatal if Swallowed. Eye and Skin Irritant

**OSHA Regulatory Status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Potential Health Effects****Route(s) of Entry:**

Absorption, Inhalation, and Ingestion.

**Health Hazards (Acute and Chronic):**

See signs and symptoms below

**Signs and Symptoms:**

Eye Contace: May cause slight iffitation

Skin Contact: May cause slight irritation

Inhalation: If oil mist is inhaled for prolonged periods, may cause irritation.

Ingestion: Can be Harmful or fatal if swallowed.

**Medical Conditions Generally Aggravated by Exposure:**

None known

**Other Health Warnings:**

Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

**Potential Environmental Effects**

Not Available

**III. Composition/Information on Ingredients:**

Chemical Name	CAS No.	% Range	Trade Secret
1,2,4-Trimethylbenzene	95-63-6	0.1 - 1.0	
Aromatic Petroleum Distillate	64742-95-6	1.0 - 5.0	
Chlorinated Paraffin	61788-76-9	0.1 - 1.0	
Mesitylene	108-67-8	0.1 - 1.0	
Naphthenic Petroleum Distillate	64742-52-5	60.0 - 100.0	
Petroleum Oil	64742-65-0	7.0 - 13.0	
Zinc Compound	19210-06-1	0.1 - 1.0	

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### IV. First Aid Measures:

#### Emergency and First Aid Procedures:

Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyelids and get prompt medical attention.

Skin Contact: Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. If breathing becomes difficult get prompt medical attention.

Ingestion: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately.

#### Note to Physicians:

N/E

### V. Fire Fighting Measures:

#### Suitable Extinguishing Media:

Water Fog, Foam, Carbon Dioxide, Dry Chemical

#### Unsuitable Extinguishing Media:

Do not use forced water stream as this could cause the fire to spread.

#### Products of Combustion:

Carbon dioxide, carbon monoxide, and various hydrocarbons

#### Protection of Firefighters:

Wear self-contained positive pressure breathing apparatus and protective clothes. Use shield to protect from rupturing and venting containers. At elevated temperatures containers may vent, rupture or burst, even violently

### VI. Accidental Release Measures:

#### Personal Precautions:

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

#### Environmental Precautions:

Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred. Run off to sewer may create fire or explosion hazard.

#### Methods for Containment:

Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc).

#### Methods for Cleanup:

Using a non-metallic scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid using an explosion proof vacuum to recover material.

#### Other Information:

If run-off occurs, notify proper authorities as required that a spill has occurred.

### VII. Handling and Storage:

#### Handling Precautions:

Handling: Use with adequate ventilation and proper protective equipment.

Do not use or store near fire, sparks, or flame. Exposure to temperatures above 120° may cause container to vent, rupture, or burst.

#### Storage Precautions:

Keep container closed tightly when not in use.

Store in a cool place away from oxidizing agents.

### VIII. Exposure Controls/Personal Protection:

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Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Petroleum Oil	5 mg/m3	5 mg/m3	Not Available
Zinc Compound	N/E	N/E	Not Available
Naphthenic Petroleum Distillate	5 mg/m3	5 mg/m3	Not Available
Aromatic Petroleum Distillate	N/E	25 ppm	Not Available
Chlorinated Paraffin	N/E	N/E	Not Available
1,2,4-Trimethylbenzene	N/E	25 ppm	Not Available
Mesitylene	N/A	N/A	Not Available

**Engineering Controls:**

See above Section for applicable exposure limits. Maintain adequate ventilation.

Avoid breathing mist. In restricted areas, use approved chemical filters designed to remove mist. In confined areas, use approved air line type respirator or hood. A self-contained breathing apparatus is required for vapor or mist concentrations above TLV limit

**Personal Protective Equipment:**

For prolonged exposure wear protective safety glasses, gloves, and apron.

**IX. Physical and Chemical Properties:****Boiling Point:** 465 F**Boiling Range:** Not Available**Solubility In Water:** Insoluble**Flash Point:** > 150° F**Odor Threshold:** Not Available**Vapor Density (AIR = 1):** 4.3**pH Range:** Not Available**Decomposition Temp:** Not Available**Lower Explosive Limit:** N/D**Specific Gravity (H2O = 1):** 0.86**Other Information:** N/D**Melting Point:** N/A**Freezing Point:** Not Available**Evaporation Rate (Butyl Acetate = 1):** Slow**Flash Point Method:** TCC**Appearance and Odor:** Clear amber oil with petroleum odor**Vapor Pressure (mm Hg.):** 0.008**Partition Coefficient:** Not Available**Auto-Ignition Temp:** Not Available**Upper Explosive Limit:** N/D**X. Stability and Reactivity:****Stability:**

Stable

**Conditions to Avoid:**

Avoid heat, sparks, and flames. Avoid incompatible materials.

**Incompatible Materials:**

Avoid contact with strong oxidizing agents

**Hazardous Decomposition Products:**

Normal products of combustion, smoke, carbon dioxide, carbon monoxide, phosphorus, nitrogen and sulfur oxides.

**Possibility of Hazardous Reactions:**

Will not occur

**XI. Toxicological Information:**

N/D

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### XII. Ecological Information:

N/D

### XIII. Disposal Considerations:

DISPOSAL: This container may be recycled in a recycling centers when empty. Before offering for recycling, empty the can or bottle by using the product according to the label. If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations

### XIV. Transport Information:

**Shipping Name:** Not DOT Regulated

**DOT Hazard Class:** Not Regula

**DOT Subsidiary Hazard Class:** Not Available

**UN/NA#:** Not Available

**Packing Group:** Not Available

#### Transportation Information:

DOT Shipping Name: Not DOT regulated.

DOT Hazard Class: None

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping purposes.

(US):

ICAO/IATA

UN number: UN1268

Shipping name: Petroleum Products, n.o.s. (Naphthenic Oil)

Marine Pollutant (Chlorinated paraffin)

Class: 3

PG: III

International:

ICAO/IATA:

UN number: UN1268

Shipping Name: Petroleum Products, n.o.s. (Naphthenic Oil)

Marine Pollutant (Chlorinated paraffin)

Class 3

PG: III

IMDG:

UN Number: UN1268

Shipping name: Petroleum Products, n.o.s. (Naphthence oil)

Marine Pollutant (Chlorinated paraffin)

Class: 3

PG: III

EmS: F-E, S-E

### XV. Regulatory Information:

SARA 313 Reportable Chemicals.

Aromatic Petroleum Distillate (64742-95-6)

Chlorinated Paraffin (61788-76-9)

Zinc Compound (19210-06-1)

1,2,4-Trimethylbenzene (95-63-6)

USA TSCA: All components of this material are listed on the US TSCA Inventory.

Warning: This product contains a chemical known to the State of California to cause cancer or birth defects or other reproductive harm.

State RTK Chemicals:

Chlorinated Paraffin (61788-76-9)

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**XVI. Other Information:**

**Chemical State:**     Liquid     Gas     Solid

**Chemical Type:**     Pure     Mixture

**Hazard Category:**

Acute     Chronic     Fire

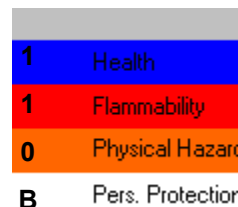
Pressure     Reactive



**Additional Manufacturer Warnings:**

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye. KEEP AWAY FROM CHILDREN AND ANIMALS!

N/E: Not Established  
 N/D: Not Determined  
 N/A: Not Applicable  
 N/AV: Not Available



**Additional Product Information:**

While Radiator Specialty Company believes this data is accurate as of the revision date, we make no warranty with respect to the data and we expressly disclaim all liability for reliance thereon. The data is offered solely for information, investigation, and verification. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is responsible for full compliance.