

MSDS - Material Safety Data Sheet**Product Name: SYNTHETIC POWER STEERING FLUID**

MSDS No.: M2712SYN

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:** SYNTHETIC POWER STEERING FLUID**MSDS No.:** M2712SYN**Issue Date:** 08/28/2008**Supersedes Date:** 05/22/2007**II. Hazards Identification:****EMERGENCY OVERVIEW**

Harmful if Swallowed.

OSHA Regulatory Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.

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 Contact: 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 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 Decene, Dimer Hydrogenated	68649-11-6	50.0 - 70.0	
2 Propenoic Acid, 2 Methyl Dodecylster polymer with Methyl 2 propenoate and tetra-decyl 2 ethyl 2 propenoate	68171-50-6	0.0 - 5.0	
Hydrotreated Neutral Based Lubricating Oil	72623-86-0	10.0 - 30.0	
Petroleum Oil	64742-65-0	0.0 - 10.0	
White Mineral Oil, Light paraffinic	92062-35-6	0.0 - 10.0	

IV. First Aid Measures:**Emergency and First Aid Procedures:**

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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:

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

Protection of Firefighters:

Wear self-contained positive pressure breathing apparatus and protective clothes.

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.

Methods for Containment:

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

Methods for Cleanup:

Using a scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid using a 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. Wash hands before handling food. Keep away for children and animals.

Storage Precautions:

Keep container closed tightly when not in use.

Store in a cool place away from oxidizing agents. Store in cool dry area at temperatures below 120°F.

VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
1 Decene, Dimer Hydrogenated	Not Available	Not Available	Not Available
Hydrotreated Neutral Based Lubricating Oil	Not Available	Not Available	Not Available
Petroleum Oil	5 mg/m3	5 mg/m3	Not Available
White Mineral Oil, Light paraffinic	Not Available	Not Available	Not Available
2 Propenoic Acid, 2 Methyl Dodecylster polymer with Methyl 2 propenoate and tetra-decyl 2 ethyl 2 propenoate	Not Available	Not Available	Not Available

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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: 570° F

Boiling Range: N/S

Solubility In Water: Insoluble

Flash Point: 302°F

Odor Threshold: N/D

Vapor Density (AIR = 1): N/D

pH Range: N/A

Decomposition Temp: N/D

Lower Explosive Limit: N/D

Specific Gravity (H2O = 1): 0.83

Other Information: N/D

Melting Point: N/A

Freezing Point: N/D

Evaporation Rate (Butyl Acetate = 1): N/D

Flash Point Method: COC

Appearance and Odor: Dark green with characterized odor

Vapor Pressure (mm Hg.): N/D

Partition Coefficient: N/D

Auto-Ignition Temp: N/D

Upper Explosive Limit: N/D

X. Stability and Reactivity:

Stability:

Stable

Conditions to Avoid:

Keep away for heat sparks, and flame. Avoid contact with 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

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

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DOT Hazard Class: Not Regula

DOT Subsidiary Hazard Class: Not Available

UN/NA#: Not Available

Packing Group: Not Available

Transportation Information:

Shipping Name: Not DOT Regulated

Hazard Class: Not DOT Regulated

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

Product is not a marine pollutant.

XV. Regulatory Information:

SARA 313 Reportable Chemicals.

None

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

State RTK Chemicals:

None

XVI. Other Information:Chemical State: Liquid Gas SolidChemical 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.

1	Health
1	Flammability
0	Physical Hazard
B	Pers. Protection