**Product Name:** ENVIROLOGIC 122 HYDRAULIC FLUID (5 GALLONS)
**MSDS No.: E012205**

### I. Basic Information:

- **Manufacturer:** RADIATOR SPECIALTY COMPANY
- **Address:** 600 RADIATOR ROAD
- **City, ST, Zip:** INDIAN TRAIL, NC 28079
- **Country:**

### II. Hazards Identification:

#### EMERGENCY OVERVIEW

Not Available

#### 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:**
  - Eye, skin inhalation and ingestion
- **Health Hazards (Acute and Chronic):**
  - None known
- **Signs and Symptoms:**
  - None known
- **Medical Conditions Generally Aggravated by Exposure:**
  - None known
- **Other Health Warnings:**
  - None

#### Potential Environmental Effects

Not Available

### III. Composition/Information on Ingredients:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>% Range</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Available</td>
<td>Not Available</td>
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### IV. First Aid Measures:

#### Emergency and First Aid Procedures:

- **Eye Contact:** Flush eyes with water for 15 minutes while lifting upper and lower eyelid. Get prompt medical attention.
- **Skin Contact:** Wash with soap and water. If irritation persists, get prompt medical attention.
- **Inhalation:** Move 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:

Treat symptomatically.
**V. Fire Fighting Measures:**

**Suitable Extinguishing Media:**
Carbon dioxide or foam. Water can be used to cool and protect exposed material.

**Unsuitable Extinguishing Media:**
N/D

**Products of Combustion:**
Toxic fumes, gases or vapors may evolve on burning.

**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 an 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:**
Use proper ventilation. Keep container closed when not in use. Wash thoroughly after handling and before eating. Empty containers contain product residue which may exhibit hazards of product.

**Storage Precautions:**
No special storage precautions are required.

**VIII. Exposure Controls/Personal Protection:**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
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</table>

**Engineering Controls:**
Use with adequate ventilation. Under normal use conditions, respirator is not usually required. Use NIOSH/MSHA approved disposable dust/mist mask if the recommended exposure limit is exceeded.

**Personal Protective Equipment:**
Wear Safety glass and use nitrile or neoprene gloves. A long sleeve shirt is recommended.

**IX. Physical and Chemical Properties:**

- **Boiling Point:** N/D
- **Boiling Range:** N/D
- **Solubility In Water:** Insoluble
- **Flash Point:** > 350°F
- **Melting Point:** N/D
- **Freezing Point:** N/D
- **Evaporation Rate (Butyl Acetate = 1):** N/D
- **Flash Point Method:** COC
**Product Name:** ENVIROLOGIC 122 HYDRAULIC FLUID (5 GALLONS)

**Odor Threshold:** N/D

**Appearance and Odor:** Golden liquid with mild odor

**Vapor Density (AIR = 1):** N/D

**Vapor Pressure (mm Hg.):** N/D

**pH Range:** N/A

**Partition Coefficient:** N/D

**Decomposition Temp:** N/D

**Auto-Ignition Temp:** N/D

**Lower Explosive Limit:** N/D

**Upper Explosive Limit:** N/D

**Specific Gravity (H2O = 1):** 0.88

**Other Information:** Viscosity: 22.0 Centistokes @ 40°C

### X. Stability and Reactivity:

**Stability:**

Stable

**Conditions to Avoid:**

See Incompatible materials below.

**Incompatible Materials:**

Oxidizing agents. Halogens and halogenated products.

**Hazardous Decomposition Products:**

Smoke, carbon monoxide, aldehydes and other products of incomplete combustion.

**Possibility of Hazardous Reactions:**

Will not occur

### XI. Toxicological Information:

**Oral Toxicity:** LD50 (rats) is > 5000 mg/kg. Based on data from components or similar materials.

**Eye Irritation:** Not expected to cause eye irritation. Based on data from components or similar materials.

**Skin Irritation:** Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, defatting and cracking skin.

**Dermal Toxicity:** LD50 (rabbits) is > 2000 mg/kg. Based on data from components or similar materials.

**Inhalation Toxicity:** No data available to indicate product or components may be a toxic inhalation hazard.

**Exposure Limits:** Contains natural ester base fluid. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.

### XII. Ecological Information:
**Product Name:** ENVIROLOGIC 122 HYDRAULIC FLUID (5 GALLONS)

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**Freshwater Fish Toxicity:** Fathead minnow, 96h LC50, ppm: >10,000  
EPA Test Method 797.1400

**Freshwater Invertebrates Toxicity:** Daphnia magna, 48h EC50, ppm: >10,000  
EPA Test Method 797.1300

**Algae Toxicity:** Algae EC50, ppm: 100 - 1000  
EPA Test Method 797.1050

**Bacteria Toxicity:** Sludge respiration inhibition, EC50, ppm: >10,000

**Environmental Fate:** Product show a biodegradability of >60% as measure by ASTM D5864 test procedure.

### XIII. Disposal Considerations:

DISPOSAL: This container may be recycled in a recycling center 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 empty container and discard in the trash. Do not dump into sewers, on the ground, or into any body of water. 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:**

Not Available

### XV. Regulatory Information:
Product Name: ENVIROLOGIC 122 HYDRAULIC FLUID (5 GALLONS)

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SARA 313 Reportable Chemicals.
None

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

State RTK Chemicals:
None

EEC EINECS: All components are in compliance with the EC Seventh amendment Directive 92/32/EEC.

CANADA: All components are in compliance with the Canadian Environmental Protection Act.

JAPAN MITI: All components are in compliance with the Chemical Substances Control Law of Japan.

AUSTRALIA: All components are in compliance with chemical notification requirements in Australia.

AUSTRIA: All components are in compliance with the Austrian Chemical Laws.

XVI. Other Information:

Chemical State: Liquid
Chemical Type: Mixture
Hazard Category: Acute, Fire

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.