**MSDS - Material Safety Data Sheet**

**Product Name:** TRANSEAL AUTOMATIC TRANSMISSION CONDITIONER AND SEALER  
**MSDS No.:** M1512

### 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--1811  
- **Emergency Contact:** Rocky Mountain Poison Control Center  
- **Emergency Telephone Number:** 303-623-5716  
- **Emergency Restrictions:**

**Product Name:** TRANSEAL AUTOMATIC TRANSMISSION CONDITIONER AND SEALER  
**MSDS No.:** M1512

- **Issue Date:** 07/08/2008  
- **Supersedes Date:** 04/03/2007

### II. Hazards Identification:

**EMERGENCY OVERVIEW**

Danger: Harmful or fatal if swallowed. Eye and skin irritant. Combustible.

**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 Contact: Irritant. Prolonged contact may cause conjunctivitis.
- Skin Contact: Irritant. Defatting of tissue, dermatitis may occur.
- Inhalation: Irritant to mucous membranes. Repeated exposure may cause narcosis.
- Ingestion: HARMFUL OR FATAL IF SWALLOWED. May cause nausea or stomach cramps.

**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.

### 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>1,2,4-Trimethylbenzene</td>
<td>95-63-6</td>
<td>7.0 - 13.0</td>
<td></td>
</tr>
<tr>
<td>Aromatic Petroleum Distillate</td>
<td>64742-95-6</td>
<td>10.0-30.0</td>
<td></td>
</tr>
<tr>
<td>Chlorinated Paraffin</td>
<td>61788-76-9</td>
<td>7.0 - 13.0</td>
<td></td>
</tr>
<tr>
<td>Diethylbenzene</td>
<td>25340-17-4</td>
<td>1.0 - 5.0</td>
<td></td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>0.1 - 1.0</td>
<td></td>
</tr>
<tr>
<td>Isopropylbenzene</td>
<td>98-82-8</td>
<td>0.1 - 1.0</td>
<td></td>
</tr>
<tr>
<td>Methy1ene</td>
<td>108-67-8</td>
<td>1.0 - 5.0</td>
<td></td>
</tr>
<tr>
<td>Naphthenic Petroleum Distillate</td>
<td>64742525</td>
<td>40.0-70.0</td>
<td></td>
</tr>
<tr>
<td>Xylene (mixed isomers)</td>
<td>1330-20-7</td>
<td>0.1 - 1.0</td>
<td></td>
</tr>
</tbody>
</table>
**IV. First Aid Measures:**

Emergency and First Aid Procedures:

Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyelids. 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/D

**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 acrid smoke.

**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:**

Eliminate all ignition sources. 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 occured. 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-metalic 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:**

All equipment used with handling the concentrate must be grounded. If run-off occurs, notify proper authorities as required that a spill has occured.

**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. Do not wear contact lenses when using this product. Keep away form children and animals. Wash hands before eating after handling this product.

**Storage Precautions:**

Store in a cool dry place below 120°F. Keep away form acids, ignition sources and oxidizing agents. Keep lid closed when not using.

**VIII. Exposure Controls/Personal Protection:**
**Product Name:** TRANSEAL AUTOMATIC TRANSMISSION CONDITIONER AND SEALER

**MSDS No.: M1512**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aromatic Petroleum Distillate</td>
<td>N/E</td>
<td>25 ppm</td>
<td>Not Available</td>
</tr>
<tr>
<td>Naphthenic Petroleum Distillate</td>
<td>5 mg/m3</td>
<td>5 mg/m3</td>
<td>Not Available</td>
</tr>
<tr>
<td>Chlorinated Paraffin</td>
<td>N/E</td>
<td>N/E</td>
<td>Not Available</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>N/E</td>
<td>25 ppm</td>
<td>Not Available</td>
</tr>
<tr>
<td>Mesitylene</td>
<td>N/A</td>
<td>N/A</td>
<td>Not Available</td>
</tr>
<tr>
<td>Diethylbenzene</td>
<td>N/A</td>
<td>N/A</td>
<td>Not Available</td>
</tr>
<tr>
<td>Xylene (mixed isomers)</td>
<td>100 ppm</td>
<td>100 ppm</td>
<td>Not Available</td>
</tr>
<tr>
<td>Isopropylbenzene</td>
<td>50 ppm</td>
<td>50 ppm</td>
<td>Not Available</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100 ppm</td>
<td>100 ppm</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

**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.

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**IX. Physical and Chemical Properties:**

- **Boiling Point:** >350°F
- **Boiling Range:** N/D
- **Solubility In Water:** Insoluble
- **Flash Point:** 138°F
- **Odor Threshold:** N/D
- **Vapor Density (AIR = 1):** ND
- **pH Range:** N/A
- **Decomposition Temp:** N/D
- **Specific Gravity (H2O = 1):** 0.92
- **Other Information:** % Volatiles by weight - 50%

**Melting Point:** N/A
**Freezing Point:** N/D
**Evaporation Rate (Butyl Acetate = 1):** ND
**Flash Point Method:** TCC
**Appearance and Odor:** Amber liquid with a petroleum odor
**Vapor Pressure (mm Hg.):** ND
**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 from high temperatures and open flames.

**Incompatible Materials:**

Oxidizing agents and acids.

**Hazardous Decomposition Products:**

Normal products of combustion, carbon dioxide, carbon monoxide, and acrid smoke.

**Possibility of Hazardous Reactions:**

No
PRODUCT NAME: TRANSEAL AUTOMATIC TRANSMISSION CONDITIONER AND SEALER

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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 Available
DOT Hazard Class: Not Available
UN/NA#: 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.

ICAO/IATA (US)
Shipping Name: Petroleum Product n.o.s. (Aromatic petroleum distillate)
Marine Pollutant
Class: 3
Packaging Group: III
UN number: UN1268

International:
ICAO/IATA
UN number: UN1268
Shipping Name: Petroleum Product n.o.s. (Aromatic petroleum distillate)
Marine Pollutant
Class: 3
Packaging Group: III

IMDG
UN number: UN1268
Shipping Name: Petroleum Product n.o.s. (Aromatic petroleum distillate)
Marine Pollutant
Class: 3
Packaging Group: III
EmS: F:E, S-E

XV. Regulatory Information:
**Product Name:** TRANSEAL AUTOMATIC TRANSMISSION CONDITIONER AND SEALER

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**SARA Reportable Chemicals:**
- Aromatic Petroleum Distillate (64742-95-6)
- Chlorinated Paraffin (61788-76-9)
- 1,2,4-Trimethylbenzene (95-63-6)
- Diethylbenzene (25340-17-4)
- Xylene (1330-20-7)
- Isopropylbenzene (98-82-8)
- Ethylbenzene (100-41-4)

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

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

**State RTK Chemicals:**
- Isopropylbenzene (98-82-8)
- Xylene (1330-20-7)
- Diethylbenzene (25340-17-4)
- Ethylbenzene (100-41-4)

**Chemical Type:**
- Liquid
- Gas
- Solid

**Chemical State:**
- Pure
- Mixture

**Hazard Category:**
- Acute
- Chronic
- Pressure
- Fire
- 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.