# Material Safety Data Sheet

## ITW Consumer - Devcon/Versachem

### HEAVY DUTY RADIATOR STOP LEAK

This product appears in the following stock number(s):
14109

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Tradename:** HEAVY DUTY RADIATOR STOP LEAK  
**General use:** Sealant  
**Chemical family:** Copper powder

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Abbr.</th>
<th>Weight%</th>
<th>ACGIH; TLV-TWA</th>
<th>OSHA PEL:</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPPER 7440-50-8</td>
<td>n/e</td>
<td>≤6</td>
<td>1 mg/m³</td>
<td>1.0 mg/m³ (dust and mist); 0.1 mg/m³ (fumes) TWA</td>
<td>1 mg/m³ (Canada)</td>
</tr>
<tr>
<td>TRADE SECRET (Non-hazardous) MIXTURE</td>
<td>n/e</td>
<td>balance</td>
<td>n/e</td>
<td>n/e</td>
<td>n/e</td>
</tr>
</tbody>
</table>

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identify is a trade secret of our supplier and unknown to us.

## 3. HAZARDOUS IDENTIFICATION

### Emergency Overview

**Appearance, form, odor:** Reddish brown powder paste with slight odor

**CAUTION!:** Mechanical irritant. Dust may cause respiratory irritation.

### Potential health effects

#### Primary Routes of Exposure:  
Eye. Skin. Inhalation (breathing)

**Symptoms of acute overexposure**  
Skin: Abrasive, but not otherwise hazardous on skin contact.  
Eyes: May cause mechanical irritation  
Inhalation: Irritant. (Inhalation is unlikely since the aggregate is slightly wetted with a coupling agent which inhibits dusting).  
Ingestion: No data.  
**Effects of Chronic Exposure:** None known.

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight%</th>
<th>NTP</th>
<th>ACGIH Carcinogens</th>
<th>IARC</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPPER 7440-50-8</td>
<td>≤6</td>
<td></td>
<td>A4 Not classifiable as a human carcinogen</td>
<td></td>
</tr>
</tbody>
</table>
Medical Conditions Recognized as Being Aggravated by Exposure:
Since this product contain copper compounds, individuals with Wilson’s Disease should avoid exposure to this product.

4. FIRST AID MEASURES

Eye Contact: Avoid rubbing particles into eyes. Flush eyes with copious amounts of water. Contact a physician if irritation persists.

Skin Contact: None under normal use. If particles are driven into skin, wash thoroughly and bandage if needed.

Inhalation: Move to fresh air; get medical attention if symptoms persist

5. FIRE FIGHTING MEASURES

Recommended Extinguishing Media: Water, Dry chemical, foam

Flash point: None  Method: N/A

Lower Explosive Limit: none  Upper Explosive Limit: none

Unusual Fire/Explosion Hazards: None.

Hazardous Products of Combustion:
Copper oxide

6. ACCIDENTAL RELEASE MEASURES

Spill Control: Avoid inhalation of dusts if any are raised.

Containment: N/A

Cleanup: Shovel or sweep up for re-use or disposal.

Special procedures: None.

7. HANDLING AND STORAGE

Handling precautions: Avoid creating and inhaling dusts of this product.

Storage: Store in a cool, dry area. Keep containers closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:

Ventilation:
Mechanical ventilation.

Other engineering controls: Have emergency shower and eye wash available.

Personal protective equipment

Eye and face protection: Safety glasses with side shields
Skin protection: Long-sleeved clothing.

Respiratory protection: Should dust be raised in handling (unlikely), wear NIOSH-approved respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Gravity</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>n/d</td>
</tr>
<tr>
<td>Melting point</td>
<td>n/d</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>n/d</td>
</tr>
<tr>
<td>VOC</td>
<td>n/d</td>
</tr>
<tr>
<td>pH (5% solution or slurry in water)</td>
<td>n/d</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

This material is chemically stable. Hazardous polymerization will not occur.

Conditions to Avoid: None.

Incompatibilities: None known

Hazardous Products of Combustion: Copper oxide

Conditions under which hazardous polymerization may occur: None.

11. TOXICOLOGICAL INFORMATION

Eye Contact: No data available.

Subchronic effects: No data available.

Carcinogenicity, tertogenicity and mutagenicity: No data available.

Other chronic effects: None known.

Toxicological information on hazardous chemical constituents of this product:

<table>
<thead>
<tr>
<th>Component</th>
<th>Oral LD50 (rat)</th>
<th>Dermal LD50 (rabbit)</th>
<th>Inhalation LC50 4hr (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPPER 7440-50-8</td>
<td>n/d</td>
<td>n/d</td>
<td>n/d</td>
</tr>
<tr>
<td>TRADE SECRET (Non-hazardous) MIXTURE</td>
<td>n/d</td>
<td>n/d</td>
<td>n/d</td>
</tr>
</tbody>
</table>

'n/d' = not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

Mobility and persistence: No data available.

Environmental fate: No data available.

13. DISPOSAL CONSIDERATIONS

Please see also Section 15, Regulatory Information.

Recommended Method of Disposal: If material becomes a waste, it would not be a hazardous waste by RCRA criteria (40CFR 261). Dispose of according to applicable federal, state and local regulations.
**14. TRANSPORT INFORMATION**

Proper shipping name: Not regulated

Technical name: N/A

Hazard class: N/A

UN/ID Number: N/A

Packing group: N/A

Emergency Response Guide no: N/A

**15. REGULATORY INFORMATION**

U.S. Federal Regulations

TSCA:
All ingredients of this product are listed or are exempt from listing on the TSCA Inventory.

The following RCRA code(s) applies to this material if it becomes waste:
None

Regulatory status of hazardous chemical constituents of this product:

<table>
<thead>
<tr>
<th>Component</th>
<th>Extremely Hazardous*</th>
<th>Toxic Chemical**</th>
<th>CERCLA RQ (lbs)</th>
<th>12B EXPORT NOTIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPPER 7440-50-8</td>
<td>No</td>
<td>Yes</td>
<td>5000 lbs. (2270 kg)</td>
<td>Not required</td>
</tr>
<tr>
<td>TRADE SECRET (Non-hazardous) MIXTURE</td>
<td>No</td>
<td>No</td>
<td>0.0</td>
<td>Not required</td>
</tr>
</tbody>
</table>

*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substance List.

**Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. For specific requirements, consult the appropriate regulations.

For purposes of SARA Section 312 hazardous materials inventory reporting, the following hazard classes apply to this material: Immediate health hazard

**California regulations:** For purposes of the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65), this product does not contain any chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**Canadian Regulations**

WHMIS Hazard Class: D2B  TOXIC MATERIALS

**16. OTHER INFORMATION**

Hazardous Material Information System (HMIS) rating:

Health  1*  Flammability  1  Physical Hazard  0

HMIS is a registered trademark of the National Paint and Coatings Assn.

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Revision Number: 3

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