



# SAFETY DATA SHEET

Revision Date 21-Oct-2019

Version 3

## 1. IDENTIFICATION

### Product identifier

**Product Name** VERSACHEM HEAVY DUTY RADIATOR STOP LEAK 0.75 OZ.

### Other means of identification

**Product Code** 14109

### Recommended use of the chemical and restrictions on use

**Recommended Use** Automotive Care Product

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

ITW Permatex  
6875 Parkland Blvd.  
Solon, Ohio 44139 USA  
Telephone: 1-87-Permatex  
(866) 732-9502

#### 24-hour emergency phone number

Chem-Tel: 800-255-3924  
International Emergency:  
00+1+ 813-248-0585  
Contract Number: MIS0003453

#### May Also Be Distributed by:

ITW Permatex Canada  
101-2360 Bristol Circle  
Oakville, ON Canada L6H 6M5  
Telephone: (800) 924-6994

**E-mail address:** mail@permatex.com

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Label elements

#### **Emergency Overview**

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Reddish golden brown

**Physical state** Dark Green

**Odor** Slight

#### **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Not applicable.

Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name                          | CAS No    | Weight-% |
|--|-----------|----------|
| ORGANIC PLANT FIBER<br>(NON-HAZARDOUS) | -         | 60 - 100 |
| COPPER                                 | 7440-50-8 | 3 - 7    |

**4. FIRST AID MEASURES**

**Description of first aid measures**

|   |  |
|---|--|
| <b>General advice</b>                     | Get medical advice/attention if you feel unwell.   |
| <b>Eye contact</b>                        | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| <b>Skin contact</b>                       | IF ON SKIN: Wash skin with soap and water. If skin irritation persists, call a physician. Take off contaminated clothing and wash before reuse.  |
| <b>Inhalation</b>                         | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.   |
| <b>Ingestion</b>                          | IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.   |
| <b>Self-protection of the first aider</b> | Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.  |

**Most important symptoms and effects, both acute and delayed**

**Symptoms** See section 2 for more information.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Carbon dioxide (CO2), Use dry chemical, Foam

**Unsuitable extinguishing media**

None

**Specific hazards arising from the chemical**

None in particular.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with eyes and skin.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** None known

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

| Chemical Name       | ACGIH TLV  | OSHA PEL   | NIOSH IDLH  |
|---------------------|--|--|---|
| COPPER<br>7440-50-8 | TWA: 0.2 mg/m <sup>3</sup> fume<br>TWA: 1 mg/m <sup>3</sup> Cu dust and mist | TWA: 0.1 mg/m <sup>3</sup> fume<br>TWA: 1 mg/m <sup>3</sup> dust and mist<br>(vacated) TWA: 0.1 mg/m <sup>3</sup> Cu dust,<br>fume, mist | IDLH: 100 mg/m <sup>3</sup> dust, fume and<br>mist<br>IDLH: 100 mg/m <sup>3</sup> Cu dust and<br>mist<br>TWA: 1 mg/m <sup>3</sup> dust and mist<br>TWA: 0.1 mg/m <sup>3</sup> fume<br>TWA: 1 mg/m <sup>3</sup> Cu dust and mist |

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** Eyewash stations

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

|                                       |  |
|---------------------------------------|--|
| <b>Skin and body protection</b>       | Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves.   |
| <b>Respiratory protection</b>         | None under normal use conditions.  |
| <b>General Hygiene Considerations</b> | Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Dark Green               |
| <b>Appearance</b>     | Reddish golden brown     |
| <b>Odor</b>           | Slight                   |
| <b>Odor threshold</b> | No information available |

| <u>Property</u>                       | <u>Values</u>            | <u>Remarks • Method</u> |
|---------------------------------------|--------------------------|-------------------------|
| pH                                    | No information available |                         |
| <b>Melting point / freezing point</b> | No information available |                         |
| <b>Boiling point / boiling range</b>  | No information available |                         |
| <b>Flash point</b>                    | No information available |                         |
| <b>Evaporation rate</b>               | No information available |                         |
| <b>Flammability (solid, gas)</b>      | No information available |                         |
| <b>Flammability Limit in Air</b>      |                          |                         |
| <b>Upper flammability limit:</b>      | No information available |                         |
| <b>Lower flammability limit:</b>      | No information available |                         |
| <b>Vapor pressure</b>                 | No information available |                         |
| <b>Vapor density</b>                  | No information available |                         |
| <b>Relative density</b>               | No information available |                         |
| <b>Water solubility</b>               | Slightly soluble         |                         |
| <b>Solubility(ies)</b>                | No information available |                         |
| <b>Partition coefficient</b>          | No information available |                         |
| <b>Autoignition temperature</b>       | No information available |                         |
| <b>Decomposition temperature</b>      | No information available |                         |
| <b>Kinematic viscosity</b>            | No information available |                         |
| <b>Dynamic viscosity</b>              | No information available |                         |
| <b>Explosive properties</b>           | No information available |                         |
| <b>Oxidizing properties</b>           | No information available |                         |

**Other Information**

|   |                          |
|---|--------------------------|
| <b>Softening point</b>                                    | No information available |
| <b>Molecular weight</b>                                   | No information available |
| <b>VOC Content (%)</b>                                    | 0                        |
| <b>Density</b>  | No information available |
| <b>Bulk density</b>                                       | No information available |
| <b>SADT (self-accelerating decomposition temperature)</b> | No information available |

**10. STABILITY AND REACTIVITY**

**Reactivity**

No information available

**Chemical stability**

Stable under normal conditions

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Excessive heat.

**Incompatible materials**

None known

**Hazardous Decomposition Products**

Copper compounds

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause irritation of respiratory tract.   |
| <b>Eye contact</b>  | Contact with eyes may cause irritation. May cause redness and tearing of the eyes. |
| <b>Skin contact</b> | May cause skin irritation and/or dermatitis.                                       |
| <b>Ingestion</b>    | Ingestion may cause irritation to mucous membranes.                                |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|                               |  |
|-------------------------------|--|
| <b>Sensitization</b>          | No information available.                      |
| <b>Germ cell mutagenicity</b> | No information available.                      |
| <b>Carcinogenicity</b>        | No information available.                      |
| <b>Chronic toxicity</b>       | May cause adverse liver effects.               |
| <b>Target Organ Effects</b>   | Eyes, kidney, Liver, Respiratory system, Skin. |

**12. ECOLOGICAL INFORMATION**

This product contains a chemical which is listed as a severe marine pollutant according to DOT.

**Ecotoxicity**

94 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.  
**US EPA Waste Number** Not applicable

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name       | California Hazardous Waste Status |
|---------------------|-----------------------------------|
| COPPER<br>7440-50-8 | Toxic                             |

### 14. TRANSPORT INFORMATION

**DOT**

**Proper shipping name:** Not regulated  
**Marine pollutant** This product contains a chemical which is listed as a severe marine pollutant according to DOT.

**IATA**

**Proper shipping name:** Not regulated

**IMDG**

**Proper shipping name:** Not regulated

### 15. REGULATORY INFORMATION

**International Inventories**

|               |                |
|---------------|----------------|
| TSCA          | Complies       |
| DSL/NDSL      | Complies       |
| EINECS/ELINCS | Complies       |
| ENCS          | Not determined |
| IECSC         | Not determined |
| KECL          | Not determined |
| PICCS         | Not determined |
| AICS          | Not determined |

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name      | SARA 313 - Threshold Values % |
|--------------------|-------------------------------|
| COPPER - 7440-50-8 | 1.0                           |

**SARA 311/312 Hazard Categories**

|                              |     |
|------------------------------|-----|
| <b>Acute health hazard</b>   | Yes |
| <b>Chronic Health Hazard</b> | No  |
| <b>Fire hazard</b>           | No  |

Sudden release of pressure hazard No  
Reactive Hazard No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name       | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| COPPER<br>7440-50-8 | -                           | X                      | X                         | -                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name       | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|---------------------|--------------------------|----------------|--|
| COPPER<br>7440-50-8 | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

| Chemical Name       | New Jersey | Massachusetts | Pennsylvania |
|---------------------|------------|---------------|--------------|
| COPPER<br>7440-50-8 | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**WHMIS Hazard Class**

Non-controlled

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|             |                  |                |                    |                       |
|-------------|------------------|----------------|--------------------|-----------------------|
| <b>NFPA</b> | Health hazards 1 | Flammability 0 | Instability 0      | -                     |
| <b>HMIS</b> | Health hazards 1 | Flammability 0 | Physical hazards 0 | Personal protection B |

NFPA (National Fire Protection Association)  
HMIS (Hazardous Material Information System)

Revision Date 21-Oct-2019

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End of Safety Data Sheet