

MSDS - Material Safety Data Sheet**Product Name: LIQUID WRENCH SUPER OIL**

MSDS No.: L1004

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:** LIQUID WRENCH SUPER OIL**MSDS No.:** L1004**Issue Date:** 02/23/2007**Supersedes Date:** 01/10/2005**II. Hazards Identification:****EMERGENCY OVERVIEW**

Danger: Harmful or Fatal 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

Signs and Symptoms:

Eye Contact: This product is minimally irritating to the eyes upon contact..

Skin Contact: Prolonged contact may cause dermatitis.

Inhalation: may be irritating to respiratory tract when exposed to oil mist.

Ingestion: This product has laxative properties and may result in abdominal cramps and diarrhea. Product is non-toxic unless aspiration occurs.

Aspiration of vomitus into the lungs can be HARMFUL OR FATAL.

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
Light and heavy mineral oil	8042-47-5	Not Available	

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/E

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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 monoxide, carbon dioxide, and other oxides may be generated as products of combustion

Protection of Firefighters:

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

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 occurred. Run off to sewer may create fire 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-metallic 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 occurred.

VII. Handling and Storage:**Handling Precautions:**

Handling: Use with adequate ventilation and proper protective equipment. Avoid breathing product vapors or mist. Do not take internally. Wash thoroughly after handling this material.

Storage Precautions:

Keep container closed tightly when not in use. Store in a cool dry place with adequate ventilation away from heat, flames, and sources of ignition.. Do not expose to Temperature above 120°F.

VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Light and heavy mineral oil	5 mg/m3	5 mg/m3	Not Available

Engineering Controls:

See Section 2 for applicable exposure limits. Maintain adequate ventilation. Avoid breathing vapors or mist. In restricted areas, use approved chemical filters designed to remove vapor. A self-contained breathing apparatus is required for vapor concentrations above TLV limit.

Personal Protective Equipment:

See Section 2 for applicable exposure limits. For prolonged exposure wear protective safety glasses and latex gloves.

IX. Physical and Chemical Properties:**Boiling Point:** 520°F**Boiling Range:** N/D**Solubility In Water:** Insoluble**Melting Point:** N/A**Freezing Point:** N/D**Evaporation Rate (Butyl Acetate = 1):** N/D

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Flash Point: 280°F

Odor Threshold: N/D

Vapor Density (AIR = 1): N/D

pH Range: N/A

Decomposition Temp: N/D

Lower Explosive Limit: N/A

Specific Gravity (H2O = 1): 0.84

Other Information: N/D

Flash Point Method: COC

Appearance and Odor: Water white liquid, odorless

Vapor Pressure (mm Hg.): N/D

Partition Coefficient: N/D

Auto-Ignition Temp: N/D

Upper Explosive Limit: N/A

X. Stability and Reactivity:

Stability:

Stable

Conditions to Avoid:

Heat, sparks, open flames, and other sources of ignition

Incompatible Materials:

Strong oxidizers.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, and other oxides.

Possibility of Hazardous Reactions:

Will not occur.

XI. Toxicological Information:

This product is not carcinogenic according to the OSHA Hazard Communication Standard.

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

DOT Subsidiary Hazard Class: Not Available

Packing Group: 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.

XV. Regulatory Information:

See Section 2 for SARA Reportable Chemicals.

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

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Do not used in confined area without proper ventilation when exposed to oil mist.. 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

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.

