

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

MSDS No.: L106

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:

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Issue Date: 02/19/2008

Supersedes Date: 10/12/2006

II. Hazards Identification:**EMERGENCY OVERVIEW**

Danger: Flammable. Harmful or fatal if swallowed. Eye and skin irritant. Contents under pressure.

Level 3 Aerosol

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):

N/D

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, dizziness, respiratory or lung irritation.

Ingestion: HARMFUL OR FATAL IF SWALLOWED. May cause burns to mouth, throat & stomach.

Medical Conditions Generally Aggravated by Exposure:

N/D

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
Carbon dioxide	124-38-9	1.0 - 5.0	
Fragrance	Proprietary	0.1 - 1.0	
Kerosene	8008-20-6	40.0 - 70.0	
Naphthenic Petroleum Distillate	64742-52-5	15.0 - 40.0	
Solvent-Refined Heavy Paraffinic	64741-88-4	0.1 - 1.0	

IV. First Aid Measures:**Emergency and First Aid Procedures:**

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NE

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:

Normal products of combustion, smoke, carbon dioxide, carbon monoxide, and sulfur trioxides.

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 occurred. 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-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:**

Use with adequate ventilation and proper protective equipment.

Do not use or store near fire, sparks, or open flame. Do not puncture or incinerate container. Exposure to sunlight and temperatures above 120° may cause container to vent, rupture, or burst.

Storage Precautions:

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! Danger: Flammable.

VIII. Exposure Controls/Personal Protection:

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Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Kerosene	N/AV	100 ppm	Not Available
Naphthenic Petroleum Distillate	5 mg/m3	5 mg/m3	Not Available
Solvent-Refined Heavy Paraffinic	5 mg/m3	5 mg/m3	Not Available
Fragrance	N/D	N/D	Not Available
Carbon dioxide	N/AV	5000 ppm	Not Available

Engineering Controls:

Use with adequate ventilation. If TLV is exceeded, wear NIOSH approved respirator.

Personal Protective Equipment:

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

IX. Physical and Chemical Properties:

Boiling Point: 320 F

Boiling Range: Not Available

Solubility In Water: Insoluble

Flash Point: 132F

Odor Threshold: Not Available

Vapor Density (AIR = 1): N/A

pH Range: Not Available

Decomposition Temp: Not Available

Lower Explosive Limit: 0.7%

Specific Gravity (H2O = 1): 0.85

Other Information: VOC Content: 36.938

Melting Point: N/A

Freezing Point: Not Available

Evaporation Rate (Butyl Acetate = 1): N/A

Flash Point Method: TCC

Appearance and Odor: Dark Liquid with petroleum odor

Vapor Pressure (mm Hg.): N/A

Partition Coefficient: Not Available

Auto-Ignition Temp: Not Available

Upper Explosive Limit: 5%

X. Stability and Reactivity:**Stability:**

Product is stable

Conditions to Avoid:

See Incompatible Materials below

Incompatible Materials:

Avoid contact with strong oxidizers

Hazardous Decomposition Products:

Normal products of combustion, smoke, carbon dioxide, carbon monoxide, and sulfur trioxides.

Possibility of Hazardous Reactions:

Will not occur

XI. Toxicological Information:

N/D

XII. Ecological Information:

N/D

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XIII. Disposal Considerations:

DISPOSAL: This container may be recycled in aerosol recycling centers when empty. Before offering for recycling, empty the can by using the product according to the label. DO NOT PUNCTURE! 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 Hazard Class: ORM-D
 Shipping Name: Consumer Commodity

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for international and air shipping purposes.

ICAO/IATA (US)
 Shipping Name: Aerosols
 Class: 2.1
 UN number: UN1950

International:

ICAO/IATA
 UN number: UN1950
 Shipping Name: Aerosols
 Class: 2.1

IMDG
 UN number: UN1950
 Shipping Name: Aerosols
 Class: 2
 EmS: F-D, S-U

XV. Regulatory Information:

See Section 2 for SARA Reportable Chemicals.
 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 or birth defects or other reproductive harm.

XVI. Other Information:

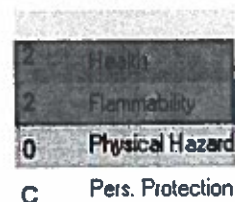
Chemical State: Liquid Gas Solid
 Chemical Type: Pure Mixture
 Hazard Category:
 Acute Chronic Fire
 Pressure Reactive



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



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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.

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