# MSDS - Material Safety Data Sheet
# Product Name: LIQUID WRENCH WHITE LTHIUM GREASE

*MSDS No.: GR018*

## I. Basic Information:

**Manufacturer:** RADIATOR SPECIALTY COMPANY
**Address:** 600 RADIATOR ROAD
**City, ST Zip:** INDIAN TRAIL, NC 28079
**Country:** USA

**Contact:** Robert Geer
**Information Telephone Number:** 704-684--181 1
**Emergency Contact:** RMPDC (877-740-5015)
**Emergency Telephone Number:** 303-623-5716
**Emergency Restrictions:**

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**Issue Date:** 01/14/2014
**Supersedes Date:** Not Available

## II. Hazards Identification:

**EMERGENCY OVERVIEW**

CAUTION: HARMFUL IF SWALLOWED. EYE AND SKIN IRRITANT

**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:**

Eyes, skin, inhalation and ingestion

**Health Hazards (Acute and Chronic):**

Exposure to vapors generated at high temperatures may cause respiratory irration.

**Signs and Symptoms:**

None known

**Medical Conditions Generally Aggravated by Exposure:**

None known

**Other Health Warnings:**

Vomiting and subsequent aspiration of the product 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 |
|---|---|---|---|
| Naphthenic Petroleum Distillate | 64742-52-5 | 60.0 - 100.0 | |
| Titanium dioxide | 13463-67-7 | 1.0 - 5.0 | |
| Zinc oxide, fume | 13141-3-2 | 1.0 - 5.0 | |

## 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 skin with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Remove and isolate contaminated clothing. Launder contaminated clothing before reuse.
Inhalation: Move victim 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. Aspiration of vomitus into the lungs can cause pneumonitis, which can be fatal.

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**Note to Physicians:**

N/D

## V. Fire Fighting Measures:

**Suitable Extinguishing Media:**

Carbon dioxide, Foam, Water fog and Dry Chemical

**Unsuitable Extinguishing Media:**

Class A type extinguishers.

**Products of Combustion:**

Oxides of: Carbon

**Protection of Firefighters:**

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

## VI. Accidental Release Measures:

**Personal Precautions:**

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

**Environmental Precautions:**

Keep product out of sewers and watercourses.

**Methods for Containment:**

Will not flow.

**Methods for Cleanup:**

Using a scoop, place contaminated material into an approved chemical waste container.

**Other Information:**

Notify authorities if product has entered or may enter sewer, watercourses or extensive land areas.

## VII. Handling and Storage:

**Handling Precautions:**

Ventilate well, avoid breathing vapors. Keep away from heat, sparks and open flame. Slip hazard. Avoid spilling, skin and eye contact. Keep away from children and animals. Keep lid closed when not in use.

**Storage Precautions:**

Store separate from strong acids and oxidizers. Keep away from heat, spark and open flame.

## VIII. Exposure Controls/Personal Protection:

| Chemical Name | OSHA PEL | ACGIH TLV | Other Limits |
|---|---|---|---|
| Naphthenic Petroleum Distillate | 5 mg/m3 | 5 mg/m3 | Not Available |
| Zinc oxide, fume | 5 mg/m3 | 5 mg/m3 | Not Available |
| Titanium dioxide | 15 mg/m3 | 10 mg/m3 | Not Available |

**Engineering Controls:**

See Section above for applicable exposure limits. Use with adequate ventilation. If TLV is exceeded, wear NIOSH approved respirator.

**Personal Protective Equipment:**

For prolonged exposure wear protective goggles, gloves, and apron.

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## IX. Physical and Chemical Properties:

**Boiling Point:** N/D
**Boiling Range:** N/D
**Solubility In Water:** Insoluble in water
**Flash Point:** 435°F
**Odor Threshold:** N/D
**Vapor Density (AIR = 1):** > 5
**pH Range:** N/A
**Decomposition Temp:** N/D
**Lower Explosive Limit:** N/D
**Specific Gravity (H20 = 1):** 0.89
**Other Information:** N/D

**Melting Point:** N/D
**Freezing Point:** N/D
**Evaporation Rate (Butyl Acetate = 1):** < 0.01
**Flash Point Method:** COC
**Appearance and Odor:** White grease with mild petroleum odor
**Vapor Pressure (mm Hg.):** < 0.1 mmHg @ 20°C
**Partition Coefficient:** N/C
**Auto-Ignition Temp:** N/D
**Upper Explosive Limit:** N/D

## X. Stability and Reactivity:

**Stability:**
Normally Stable

**Conditions to Avoid:**
Avoid contact with acids and oxidizing substances

**Incompatible Materials:**
Acids and oxidizers

**Hazardous Decomposition Products:**
Oxides of carbon

**Possibility of Hazardous Reactions:**
Will not occur

## XI. Toxicological Information:

N/D

## XII. Ecological Information:

N/D

## XIII. Disposal Considerations:

DISPOSAL: This container may be recycled in a recycling center when empty. Before offering for recycling, empty the can by using the product according to the label. Do not dump into sewers, on the ground, or into any body of water. Dispose of unused product in accordance with all local, state government and federal laws and regulations

## XIV. Transport Information:

**Shipping Name:** Not DOT Regulated
**DOT Hazard Class:** Not Regula
**UN/NA#:** Not Available
**Transportation Information:**

**DOT Subsidiary Hazard Class:** Not Available
**Packing Group:** Not Available

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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): Not regulated

International:
ICAO/IATA: Not regulated

IMDG: Not regulated

## *XV. Regulatory Information:*

Sara 313 Reportable Chemicals:
Zinc Oxide 1314-13-2 (Zinc compound)

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

State RTK Chemicals:
Zinc Oxide 1314-13-2
Titanium Dioxide 13463-67-7

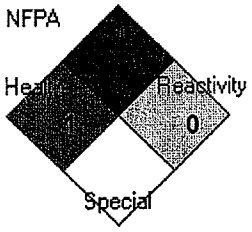
## *XVI. Other Information:*

**Chemical State:** [X] Liquid [ ] Gas [ ] Solid

**Chemical Type:** [ ] Pure [X] Mixture

**Hazard Category:**

[X] Acute [ ] Chronic [X] Fire
[ ] Pressure [ ] Reactive

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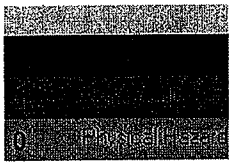

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B Pers. Protection

**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:**

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