

MSDS - Material Safety Data Sheet**Product Name: INDUSTRIAL CHAIN LUBRICANT WITH MOLY**

MSDS No.: L716

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:** INDUSTRIAL CHAIN LUBRICANT WITH MOLY**MSDS No.:** L716**Issue Date:** 10/01/2008**Supersedes Date:** 06/30/2008**II. Hazards Identification:****EMERGENCY OVERVIEW**

Danger: Harmful for fatal if swallowed, Eye and Skin Irritant, Contents under pressure.

Level 1 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:**

Eyes, skin, inhalation, ingestion

Health Hazards (Acute and Chronic):

See signs and symptoms below

Signs and Symptoms:

Eye Irritant. Skin irritation, defatting and dermatitis on prolonged exposure.

Vapors harmful. May cause irritation to lungs, narcosis effects.

Harmful if swallowed. May cause kidney or liver damage.

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
Carbon dioxide	124-38-9	1.0 - 5.0	
Ethylene/Propylene Co-Polymer	25190-87-8	1.0 - 5.0	
Molybdenum Disulfide	1317-33-5	0.1 - 1.0	
Naphthenic Petroleum Distillate	64742525	20.0 - 30.0	
Petroleum Oil	64742-65-0	7.0 - 13.0	
Solvent-Refined Heavy Paraffinic	64741-88-4	0.1 - 1.0	
Tetrachloroethylene	127-18-4	40.0 - 70.0	
Zinc Compound	19210-06-1	0.1 - 1.0	

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IV. First Aid Measures:

Emergency and First Aid Procedures:

Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyelids and 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

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:

May form carbon dioxide, carbon monoxide, chlorine, hydrogen chloride, phosgene, and various hydrocarbons.

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:

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 scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid using a vacuum to recover material.

Other Information:

If run-off occurs, notify proper authorities as required that a spill has occurred.

VII. Handling and Storage:

Handling Precautions:

Vapors are heavier than air and will collect in low areas. This material or its vapors when in contact with flames, hot glowing surfaces or electric arcs can decompose to form hydrogen chloride gas and possible traces of phosgene. Avoid contamination with water supplies.

Storage Precautions:

Do not use in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye. KEEP AWAY FROM CHILDREN AND ANIMALS!

VIII. Exposure Controls/Personal Protection:

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Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Tetrachloroethylene	25 ppm	25 ppm	Not Available
Naphthenic Petroleum Distillate	5 mg/m3	5 mg/m3	Not Available
Ethylene/Propylene Co-Polymer	N/E	N/E	Not Available
Carbon dioxide	N/AV	5000 ppm	Not Available
Zinc Compound	N/E	N/E	Not Available
Solvent-Refined Heavy Paraffinic	5 mg/m3	5 mg/m3	Not Available
Molybdenum Disulfide	N/E	N/E	Not Available
Petroleum Oil	5 mg/m3	5 mg/m3	Not Available

Engineering Controls:

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

Personal Protective Equipment:

Wear Safety glasses. For prolonged exposure wear protective safety goggles, gloves, and apron.

IX. Physical and Chemical Properties:**Boiling Point:** N/D**Boiling Range:** N/D**Solubility In Water:** Insoluble**Flash Point:** >200°F**Odor Threshold:** N/D**Vapor Density (AIR = 1):** N/D**pH Range:** N/A**Decomposition Temp:** N/D**Lower Explosive Limit:** N/D**Specific Gravity (H2O = 1):** 1.23**Other Information:** VOC Content: < 0.5%**Melting Point:** N/A**Freezing Point:** N/D**Evaporation Rate (Butyl Acetate = 1):** N/D**Flash Point Method:** COC**Appearance and Odor:** Thin, oily molybdenum disulfide suspension with chlorinated odor.**Vapor Pressure (mm Hg.):** N/D**Partition Coefficient:** N/D**Auto-Ignition Temp:** N/D**Upper Explosive Limit:** N/D**X. Stability and Reactivity:****Stability:**

Stable

Conditions to Avoid:

See Incompatible Materials below.

Incompatible Materials:

Strong oxidizers and aluminum powder

Hazardous Decomposition Products:

May form carbon dioxide, carbon monoxide, chlorine, hydrogen chloride, phosgene, and various hydrocarbons.

Possibility of Hazardous Reactions:

Will not occur

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XI. Toxicological Information:

N/D

XII. Ecological Information:

N/D

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: Aerosol

Class: 2.2 (6.1)

UN number: UN1950

International:

ICAO/IATA:

UN number: UN1950

Shipping name: Aerosol

Class: 2.2 (6.1)

IMDG:

UN number: UN1950

Shipping name: Aerosol

Class: 2.2

EmS: F-D, S-U

XV. Regulatory Information:

Sara 313 Reportable Chemicals:

Tetrachloroethylene (127-18-4)

Zinc Compound (19210-06-1)

USA TSCA: All chemicals used are listed on the TSCA Inventory.

CERCLA RQ: 1000 lbs

SARA 302: Not listed as a Extremely Hazardous Substance

SARA 311/312 HAZARD CLASS: Acute, Chronic

PROPOSITION 65 WARNING: This product contains a chemical known to the State of California to cause cancer.

State RTK Chemicals:

Tetrachloroethylene (127-18-4)

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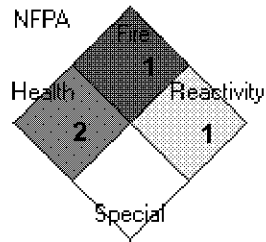
XVI. Other Information:

Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture

Hazard Category:

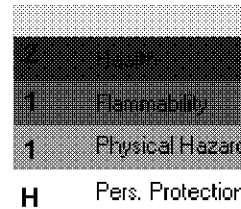
Acute Chronic Fire
 Pressure Reactive



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



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.