

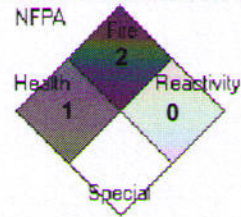
# MSDS - Material Safety Data Sheet

**Product Name:** CHAIN LUBE

MSDS No.: ML2S

## I. Basic Information:

**Manufacturer:** RADIATOR SPECIALTY COMPANY  
**Address:** 600 RADIATOR ROAD  
**City, ST Zip:** INDIAN TRAIL, NC 28079  
**Emergency Contact:** Rocky Mountain Poison Control Center  
**Emergency Telephone Number:** 303-623-5716  
**Contact:** Robert Geer  
**Information Telephone Number:** 704-688-3430



**Last Update:** 11/04/2004

**Chemical State:**  Liquid  Gas  Solid  
**Chemical Type:**  Pure  Mixture

1	Health
2	Flammability
0	Reactivity
H	Pers. Protection

## II. Ingredients:

Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB	Z	313				
8052413	Aliphatic Hydrocarbon Solvent	15.0 - 40.0							100 ppm	100 ppm	
124389	Carbon dioxide	1.0 - 5.0							N/AV	5000 ppm	
Proprietary	Ethylene propylene copolymer	1.0 - 5.0							N/E	N/E	
64742525	Naphthenic Petroleum Distillate	40.0 - 70.0							5 mg/m3	5 mg/m3	
64742183	Petroleum Lubricating Oil Base Stock	10.0 - 30.0							N/E	N/E	

## III. Hazardous Identification:

**Hazard Category:**

Acute  Chronic  Fire  Pressure  Reactive

**Hazardous Identification Information:**

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

Level 3 Aerosol

## IV. First Aid Measures:

**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.

**Medical Conditions Generally Aggravated by Exposure:**

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None known

## 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.

## Other Health Warnings:

Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

## V. Fire Fighting Measures:

Flash Point: 120°F

Lower Explosive Limit: N/D

Upper Explosive Limit: N/D

F.P. Method: TCC

Fire Extinguishing Media: Water Fog, Foam, Carbon Dioxide, Dry Chemical

## Special Fire Fighting Procedures:

Wear self-contained positive pressure breathing apparatus and protective clothes. Cool containers with a water fog. Do not use forced water stream as this could cause the fire to spread. Use shield to protect from rupturing and venting containers.

## Unusual Fire and Explosion:

None known

## VI. Accidental Release Measures:

### Steps to be Taken in Case Material is Released or Spilled:

Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc). 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. 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.

## VII. Handling and Storage:

### Precautions to be Taken:

Handling: Use with adequate ventilation and proper protective equipment.  
Do not use near fire, sparks, or flame. Do not puncture or incinerate container.  
Store in cool, well ventilated area below 120°F away from heat sources.

### Other 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!**

## VIII. Exposure Controls/Personal Protection:

### Ventilation Requirements:

See Section 2 for applicable exposure limits. Use with adequate ventilation. If TLV is exceeded, wear NIOSH approved respirator.

### Personal Protective Equipment:

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

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## IX. Physical and Chemical Properties:

Boiling Point: N/A

Melting Point: N/A

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

Vapor Pressure (mm Hg.): N/D

Specific Gravity (H2O = 1): 0.87000

Vapor Density (AIR = 1): N/D

Solubility In Water: Insoluble

Appearance and Odor: Clear bright yellow with petroleum odor

Other Information: N/D

## X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Oxidizing agents and acids.

Decomposition/By Products:

Normal products of combustion: Carbon dioxide, carbon monoxide, smoke, nitrogen and sulfur oxides

Hazardous Polymerization:

Will not occur

## 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:

DOT Hazard Class: ORM-D

Shipping Name: Consumer Commodity

## XV. Regulatory Information:

See Section 2 for SARA Reportable Chemicals.

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

## XVI. Other Information:

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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!**

N/E: Not Established

N/D: Not Determined

N/A: Not Applicable

N/AV: Not Available

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