



Revision Date 03-Feb-2005

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 91912  
 Product name Red Grease  
 Recommended Use Lubricant  
 Supplier Lawson Products, Inc.  
 1666 East Touhy Avenue  
 Des Plaines, IL 60018  
 (847)-827-9666

Emergency telephone number (888) 426-4851

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Flammable. Irritant.

Color Red

Odor Petroleum

Form Aerosol

**Aggravated Medical Conditions** Pre-existing heart conditions. Pre-existing respiratory conditions may be aggravated by exposure to this product.

**Principal Routes of Exposure** Skin. Inhalation. Ingestion.

### Potential health effects

**Eyes** Severe irritation.  
**Skin** Mild irritation. Defatting.  
**Inhalation** Dizziness. Possible unconsciousness.  
**Ingestion** Vomiting. Nausea. Cramps.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	not disclosed
Propane/Isobutane/N-Butane	68476-86-8	not disclosed
Tetrachloroethylene	127-18-4	not disclosed
Heptanes	142-82-5	not disclosed

## 4. FIRST AID MEASURES

<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin contact</b>	Wash area thoroughly with soap and water. If skin irritation persists, call a physician.
<b>Ingestion</b>	Consult a physician.
<b>Inhalation</b>	Remove to fresh air. Consult a physician.

## 5. FIRE FIGHTING MEASURES

<b>Flash point °C</b>	< 30
<b>Flash point °F</b>	< 99
<b>Method</b>	Tag closed cup

<b>Autoignition temperature °C</b>	No data available
<b>Autoignition temperature °F</b>	

<b>Flammability Limits (% in Air)</b>	
<b>Upper</b>	7.5
<b>Lower</b>	1.1

### Specific Information for Aerosol Products

<b>Flame extension</b>	22"
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**Suitable extinguishing media**  
Dry chemical.

**Extinguishing media which must NOT be used for safety reasons**  
No information available.

### Special Fire-Fighting Procedures

Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

### Fire and Explosion Hazards

Flammable. Contents under pressure Aerosol containers may vent, rupture or burst when heated to temperatures above 120°F Vapors of this product may develop a flammable atmosphere in confined areas

**Sensitivity to shock**  
No information available.

**Sensitivity to static discharge**  
No information available.

## 6. ACCIDENTAL RELEASE MEASURES

### Methods for cleaning up

Wipe or scrape up and dispose of spill. Pick up and transfer to properly labelled containers.

## 7. HANDLING AND STORAGE

### Handling

Keep away from open flame. Keep from excessive heat. Vapors are heavier than air and will collect in low areas.

**Storage**

Keep tightly closed in a dry and cool place. Store in temperatures below 120 degrees F.

**NFPA Storage Code**

Store as Level 2 Aerosol (NFPA 30B)

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limits**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Tetrachloroethylene	100 ppm	200 ppm	25 ppm	100 ppm
Heptanes	2000 mg/m <sup>3</sup> 500 ppm	-	400 ppm	500 ppm
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-
Propane/Isobutane/N- Butane	-	-	-	-

**Ventilation and Environmental Controls**

Local: adequate.

**Hygiene measures**

Wash hands before breaks and immediately after handling the product.

**Personal protective equipment****Respiratory protection**

None required if adequate ventilation is provided. In case of insufficient ventilation wear suitable respiratory equipment.

**Hand protection**

Gloves are not required in normal use.

**Eye protection**

ANSI approved safety glasses are recommended when accidental eye contact is possible.

**Skin and body protection**

No information available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Aerosol	<b>Color</b>	Red
<b>Odor</b>	Petroleum	<b>Odor Threshold</b>	No information available
<b>pH</b>	No data available	<b>Specific Gravity</b>	0.92
<b>Vapor pressure</b>	No data available	<b>Vapor density</b>	>Air
<b>Evaporation Rate</b>	>1 (Ether =1)	<b>Water solubility</b>	Practically insoluble
<b>Partition Coefficient (n-octanol/water)</b>	No data available		
<b>Boiling point/range °C</b>	> 93	<b>Boiling point/range °F</b>	> 200
<b>Melting point/range °C</b>	No data available	<b>Melting point/range °F</b>	No data available
<b>Flash point °C</b>	< 30	<b>Flash point °F</b>	< 99

## 10. STABILITY AND REACTIVITY

### Stability

Stable.

### Conditions to avoid

Temperatures above 120°C. Avoid sources of ignition.

### Materials to avoid

None Known.

### Hazardous decomposition products

Oxides of carbon. Hydrochloric acid.

### Polymerization

Will not occur.

### Synergistic Products

No information available.

## 11. TOXICOLOGICAL INFORMATION

### Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
<i>Tetrachloroethylene</i> 127-18-4	2629 mg/kg	-	34200 mg/m <sup>3</sup> 5200 ppm
<i>Heptanes</i> 142-82-5	-	-	103 g/m <sup>3</sup>
<i>Petroleum distillates, hydrotreated heavy naphthenic</i> 64742-52-5	-	-	-
<i>Propane/Isobutane/N-Butane</i> 68476-86-8	-	-	-

### Potential health effects

**Sensitization**

No information available.

**Chronic toxicity**

No information available.

**Mutagenic effects**

No information available.

**Teratogenic effects**

No information available

**Reproductive toxicity**

No information available

**Target Organ Effects**

No information available

**Carcinogenic effects**

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Tetrachloroethylene	A3 - Animal Carcinogen	Group 2A	-	Listed	Listed
Heptanes	-	-	-	-	-
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-	-
Propane/Isobutane/N-Butane	-	-	-	-	-

## 12. ECOLOGICAL INFORMATION

**Aquatic toxicity**

Tetrachloroethylene

**Microtox Data***Photobacterium phosphoreum* EC50=120.0 mg/L (30 min)

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations.

**Disposal Information**

Wrap container and place in trash collection.

## 14. TRANSPORT INFORMATION

**DOT**

Consumer commodity ,ORM-D,

**TDG**

AEROSOLS, Class 2.1,UN1950,PG

**IMDG/IMO**

Aerosols,UN1950,PG

**IATA**Aerosols, flammable,UN1950  
Hazard Class 2.1**MEX**

UN1950 Aerosols,2.2,

**15. REGULATORY INFORMATION**

Chemical Name	US EPA SARA 313 Emission Reporting
Tetrachloroethylene	Listed

**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Tetrachloroethylene	Listed	Listed	Carcinogen
Heptanes	Listed	Listed	Not Listed
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed

**International Inventories**

Chemical Name	EINECS	DSL	NDSL	TSCA
Tetrachloroethylene	X	X	-	X
Heptanes	X	X	-	X
Petroleum distillates, hydrotreated heavy naphthenic	X	X	-	X
Propane/Isobutane/N-Butane	X	X	-	X

**CPRC**

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

**16. OTHER INFORMATION**

<b>NFPA</b>		<b>HMIS</b>	
<b>Health</b>	1	<b>Health</b>	1
<b>Flammability</b>	3	<b>Flammability</b>	3
<b>Reactivity</b>	1	<b>Physical Hazard</b>	1

**Reason for revision**                      No information available.

**Prepared By**                                T. Heidorn, MSDS Project Lead

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.