



Material Safety Data Sheet

Revision Date 22-May-2007

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 pulmonary disorders. Pre-existing respiratory conditions may be aggravated by exposure to this product.

Principal Routes of Exposure Skin. Inhalation. Ingestion.

Potential health effects

- Eyes** May cause the following effects: Severe irritation.
- Skin** May cause the following effects: Mild irritation. Defatting.
- Inhalation** Dizziness. Prolonged overexposure may cause. Possible unconsciousness.
- Ingestion** May cause the following effects. Vomiting. Nausea. Dizziness. Cramps.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Heptanes	142-82-5	20-30
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	20-30
Propane/Isobutane/N-Butane	68476-86-8	20-30
Tetrachloroethylene	127-18-4	20-30

4. FIRST AID MEASURES

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

5. FIRE FIGHTING MEASURES

Flash point °C	93
Flash point °F	200
Method	Tag closed cup
Autoignition temperature °C	No data available
Autoignition temperature °F	No data available
Flammability Limits (% in Air)	
Upper	7.5
Lower	1.1

Suitable extinguishing media

Dry chemical.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

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.

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 ³ 500 ppm	-	400 ppm	500 ppm
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-
Propane/Isobutane/N- Butane	-	-	-	-

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

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

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	Color	Red
Odor	Petroleum	Odor Threshold	No information available
pH	Not Applicable	Specific Gravity	0.92
Vapor pressure	No data available	Vapor density	>1 (Air = 1)
Evaporation Rate	>1 (Ether =1)	Water solubility	Insoluble
Partition Coefficient (n-octanol/water)	No data available		
Boiling point/range °C	> 93	Boiling point/range °F	> 200

9. PHYSICAL AND CHEMICAL PROPERTIES

Melting point/range °C	Not Applicable	Melting point/range °F	Not Applicable
Flash point °C	93	Flash point °F	200

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

Do not store above 120 degrees F.

Incompatibility

None known.

Hazardous Decomposition Products

Carbon oxides. Hydrogen chloride.

Polymerization

Hazardous polymerization does not occur.

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	-	5200 mg/kg
<i>Heptanes</i> 142-82-5	-	-	103 g/m ³
<i>Petroleum distillates, hydrotreated heavy naphthenic</i> 64742-52-5	5000 mg/kg	2000 mg/kg	2.18 mg/L
<i>Propane/Isobutane/N-Butane</i> 68476-86-8	-	-	-

Synergistic Products

None known

Potential health effects

Sensitization

None known

Chronic toxicity

Repeated and prolonged exposure to solvents may cause brain and nervous system damage. See Section 2

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

None known

Target Organ Effects

None Known

Carcinogenic effects

NTP and IARC have determined that exposure to tetrachloroethylene (perchloroethylene) is reasonably anticipated to be carcinogenic to humans (IARC Group 2A). Risk of cancer depends on duration and level of exposure. .

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Tetrachloroethylene	Listed	Group 2A	Not Listed	Listed	Listed
Heptanes	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Tetrachloroethylene

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

13. DISPOSAL CONSIDERATIONS

Disposal Information

Wrap container and place in trash collection.

Waste from residues / unused products

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

14. TRANSPORT INFORMATION

DOT

UN1950 Aerosols, flammable (Tetrachloroethylene/Propane/Isobutane/n-Butane), Class 2.1(6.1), Marine Pollutant
Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

TDG

UN1950 AEROSOLS, flammable (Tetrachloroethylene/Propane/Isobutane/n-Butane), Class 2.1(6.1)

14. TRANSPORT INFORMATION

IMDG/IMO

UN1950 AEROSOLS (Tetrachloroethylene/Propane/Isobutane/n-Butane), Class 2.1(6.1) Marine Pollutant

IATA

UN1950 Aerosols, flammable, containing substances in Division 6.1, Packing Group III (Tetrachloroethylene/Propane/Isobutane/n-Butane), Class 2.1(6.1)

MEX

UN1950 AEROSOLS (Tetrachloroetileno/Propane/Isobutane/n-Butane),2.1(6.1)

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Tetrachloroethylene	Listed

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

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

NFPA		HMIS	
Health	-	Health	1
Flammability	-	Flammability	3
Reactivity	-	Physical Hazard	1

Prepared By

Michael Katz, Regulatory Affairs Specialist

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.