

# Material Safety Data Sheet

Revision Date 11-Oct-2016

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product code** 28179  
**Product name** Heavy Duty Red Grease  
**Recommended Use** Lubricant  
  
**Supplier** Lawson Products, Inc.  
 8770 W.Bryn Mawr Ave.- Suite 900  
 Chicago, IL 60631  
 1-866-529-7664

**Emergency telephone number** 1 (888) 426-4851

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Extremely Flammable Aerosol. Contents under pressure. Vapors irritating to eyes and respiratory tract. Irritating to skin.

### Aggravated Medical Conditions

Pre-existing diseases of the central nervous system. Pre-existing skin, eye, or respiratory conditions may be aggravated by exposure to this product.

### Principal Routes of Exposure

Skin. Eyes. Inhalation.

### Potential health effects

**Eyes** Irritating to eyes.  
  
**Skin** Irritating to skin. Prolonged skin contact may cause skin irritation and/or dermatitis. Defatting. Frostbite.  
  
**Inhalation** Irritating to respiratory system. Avoid breathing vapors or mists. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.  
  
**Ingestion** Not likely to occur. May be harmful if swallowed. Aspiration hazard. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propane/Isobutane/N-Butane***	68476-86-8	20-30
Petroleum distillates, hydrotreated heavy naphthenic***	64742-52-5	20-30
Heptanes***	142-82-5	20-30
2-Propanone***	67-64-1	10-20
Residual oils (petroleum), hydrotreated***	64742-57-0	1-10
Xylenes (o-, m-, p-isomers)***	1330-20-7	0.1-1

Product code **28179**

Product name **Heavy Duty  
Red Grease**

#### 4. FIRST AID MEASURES

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Wash contaminated clothing before re-use. If skin irritation persists, call a physician.
<b>Ingestion</b>	Do not induce vomiting. Seek medical attention immediately. Call a physician or Poison Control Center immediately.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Immediate medical attention is required.

#### 5. FIRE FIGHTING MEASURES

<b>Flash point °C</b>	-96.4
<b>Flash point °F</b>	-141
<b>Method</b>	Open cup
<b>Autoignition temperature °C</b>	No data available
<b>Autoignition temperature °F</b>	No data available
<b>Flammability Limits (% in Air)</b>	
<b>Upper</b>	12.8
<b>Lower</b>	1.2

#### **Suitable extinguishing media**

Foam. Dry chemical powder. Alcohol-resistant foam. Carbon dioxide.

#### **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**

Flash back possible over considerable distance. Containers may vent or burst under extreme or prolonged fire conditions. Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity, or other sources of ignition. They may explode and cause injury or death. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

#### **Hazardous decomposition products**

See Section 10.

#### **Sensitivity to shock**

No information available.

#### **Sensitivity to static discharge**

No information available.

#### 6. ACCIDENTAL RELEASE MEASURES

##### **Personal precautions**

Ensure adequate ventilation.

##### **Environmental precautions**

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.

##### **Methods for cleaning up**

Absorb with earth, sand, or another dry inert material. Absorb with vermiculite. Place in non-leaking, tightly sealed container for proper disposal.

#### 7. HANDLING AND STORAGE

##### **Handling**

Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Handle in accordance with good industrial hygiene and safety practice. Do not ingest. Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities. Remove and wash contaminated clothing before re-use. Do not smoke while using.

##### **Storage**

Keep container away from heat, sparks and flame. Keep out of the reach of children.

##### **NFPA Storage Code**

Store as Level 3 Aerosol (NFPA 30B)

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Heptanes***	500 ppm 2000 mg/m <sup>3</sup> ***	-	400 ppm***	500 ppm***
Petroleum distillates, hydrotreated heavy naphthenic***	-	-	-	-
Propane/Isobutane/N-Butane***	-	-	-	N/D
2-Propanone***	1000 ppm 2400 mg/m <sup>3</sup> ***	-	250 ppm***	500 ppm***
Residual oils (petroleum), hydrotreated**	5 mg/m <sup>3</sup>	-	-	10 mg m3
Xylenes (o-, m-, p-isomers)***	100 ppm 435 mg/m <sup>3</sup> ***	-	100 ppm***	150 ppm***

**Ventilation and Environmental Controls**

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

**Hygiene measures**

When using, do not eat, drink or smoke. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. A safety shower and eye wash station should be available for emergency use.

**Respiratory protection**

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended.

**Hand Protection**

Chemical resistant gloves.

**Eye protection**

Safety glasses with side-shields.

**Skin and body protection**

Wear appropriate clothing to prevent skin contact. Impervious clothing. Coveralls. Rubber or plastic boots.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	Aerosol Opaque
Color	Red
Odor	Solvent
Odor Threshold	No information available
pH	Not Applicable
Specific Gravity	0.744

Vapor pressure	No data available
Vapor density	>1 (Air = 1)
Evaporation Rate	>1 (Butyl Acetate = 1)
Water solubility	No data available
VOC Content	49.97%
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	No data available
Boiling point/range °F	No data available
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	-96.4
Flash point °F	-141

**10. STABILITY AND REACTIVITY****Stability**

Stable under recommended storage conditions.

**Conditions to avoid**

Avoid sources of ignition. Do not use near welding arcs. Avoid open flames.

**Incompatibility**

Strong oxidizing agents. Strong bases.

**Hazardous Decomposition Products**

Carbon oxides. Fumes.

**Polymerization**

Will not occur.

**11. TOXICOLOGICAL INFORMATION****Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Heptanes*** 142-82-5	-	3000 mg/kg***	103 g/m <sup>3</sup> ***
Petroleum distillates, hydrotreated heavy naphthenic*** 64742-52-5	28710 mg/kg	-	-
Propane/Isobutane/N-Butane*** 68476-86-8	-	-	-
2-Propanone*** 67-64-1	5800 mg/kg***	-	50100 mg/m <sup>3</sup> ***
Residual oils (petroleum), hydrotreated*** 64742-57-0	-	-	-
Xylenes (o-, m-, p-isomers)*** 1330-20-7	3500 mg/kg 4820 mg/kg***	1700 mg/kg 4350 mg/kg 2000 mg/kg***	29.08 mg/L 5000 ppm 5.04 mg/L***

**Synergistic Products**

None known.

Product code **28179**Product name **Heavy Duty  
Red Grease****Potential health effects**

<b>Sensitization</b>	None known.
<b>Chronic toxicity</b>	None known.
<b>Mutagenic effects</b>	None known.
<b>Teratogenic effects</b>	None known.
<b>Reproductive toxicity</b>	None known.
<b>Target Organ Effects</b>	Central nervous system. Eyes. Respiratory system. Skin.
<b>Carcinogenic effects</b>	None known.

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Propane/Isobutane/N-Butane***	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated heavy naphthenic***	A2 - Suspected Human Carcinogen***	Group 1***	NTP-K***	Not Listed	Listed***
Heptanes***	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
2-Propanone**	A4 - Not Classifiable as a Human Carcinogen***	Not Listed	Not Listed	Not Listed	Not Listed
Residual oils (petroleum), hydrotreated**	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Xylenes (o-, m-, p- isomers)***	A4 - Not Classifiable as a Human Carcinogen***	Group 3***	Not Listed	Not Listed	Not Listed

**12. ECOLOGICAL INFORMATION**

Petroleum distillates, hydrotreated heavy naphthenic\*\*\*

**Water Flea Data**1000: 48 h Daphnia magna mg/L EC50\*\*\*

Heptanes\*\*\*

**Water Flea Data**10: 24 h Daphnia magna mg/L EC50\*\*\*

2-Propanone\*\*\*

**Microtox Data**

Photobacterium phosphoreum EC50=14500 mg/L (15 min)

**Water Flea Data**10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50\*\*\*

Xylenes (o-, m-, p- isomers)\*\*\*

**Microtox Data**

Photobacterium phosphoreum EC50=0.0084 mg/L (24 h)

**Water Flea Data**0.6: 48 h Gammarus lacustris mg/L LC50 3.82: 48 h water flea mg/L EC50\*\*\***13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

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

**14. TRANSPORTATION INFORMATION****DOT**

UN1950 Aerosols, flammable, 2.1.

Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

**TDG**

UN1950 AEROSOLS, flammable, 2.1

**15. REGULATORY INFORMATION****US EPA SARA 313**

Chemical Name	US EPA SARA 313 Emission Reporting
Propane/Isobutane/N-Butane***	Listed***
Xylenes (o-, m-, p- isomers)***	Listed***

**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Propane/Isobutane/N-Butane***	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated heavy naphthenic***	Not Listed	Not Listed	Not Listed
Heptanes***	Listed***	Listed***	Not Listed
2-Propanone***	Listed***	Listed***	Not Listed
Residual oils (petroleum), hydrotreated***	Not Listed	Not Listed	Not Listed
Xylenes (o-, m-, p- isomers)***	Listed***	Listed***	Not Listed

**International Inventories**

Product code **28179**Product name **Heavy Duty  
Red Grease**

Chemical Name	EINECS	DSL	NDSL	TSCA	Propane/Isobutane/N-Butane*
X***	X***	-	X***	Petroleum distillates, hydrotrreated heavy naphthenic***	X***
X***	-	X***	Heptanes***	X***	X***
-	X***	2-Propanone***	X***	X***	-
X***	Residual oils (petroleum), hydrotrreated**	X***	X***	-	X***
Xylenes (o-, m-, p-isomers)***	X***	X***	-	X***	

**CPR**

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.

<b>16. OTHER INFORMATION</b>
------------------------------

**HMIS****Health** - 1**Flammability** - 4**Physical Hazard** - 0**Prepared By**V. Shargorodsky, Regulatory  
Affairs Engineer

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.