Safety Data Sheet

Issue date 21-May-2018 **Revision date** 21-May-2018 **Revision Number** 1

1. IDENTIFICATION

Product identification

Product identifier	Lawson Heavy Duty Red Grease
Other means of identification	28179
Recommended use	Lubricant
Restrictions on use	For industrial use only

Supplier

Corporate Headquarters:
Lawson Products, Inc.
8770 W. Bryn Mawr Ave., Suite 900
Chicago, IL 60631
(866) 837-9908

Canadian Distribution Center:
Lawson Canada
7315 Rapistan Court
Mississauga, ON L5N 5Z4
(800) 323-5922

24 Hour Emergency Phone Number (888) 426-4851 (Prosar)

2. HAZARD(S) IDENTIFICATION

Hazard Classification This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed gas

Symbol

Signal word DANGER

Hazard statements
H222 - Extremely flammable aerosol
H280 - Contains gas under pressure; may explode if heated
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation

H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness

Precautionary statements

General

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P103 - Read label before use.

Prevention

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves/protective clothing and eye/face protection

Response

General

P321 - Specific treatment (see supplemental first aid instructions on this label)

Eyes

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention

Skin

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P362 - Take off contaminated clothing and wash before reuse
P332 + P313 - If skin irritation occurs: Get medical advice/attention

Inhalation

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell

Ingestion

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331 - Do NOT induce vomiting

Fire

P370 + P378 - In case of fire: Use appropriate method to extinguish

Spill

P391 - Collect spillage

Storage

P405 - Store locked up
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazard(s) Not Otherwise Classified (HNOC)

None known.

Physical Hazards Not Otherwise Classified (PHNOC)

None known.

Unknown acute toxicity

0.2568023%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Mixture.

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	64742-49-0	20-30
Acetone	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

The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST-AID MEASURES

Necessary first-aid measures

Inhalation Move to fresh air. If breathing is difficult, give oxygen. Artificial respiration and/or oxygen may be necessary. If breathing has stopped, contact emergency medical services immediately.

Ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

Skin contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

Most important symptoms (acute) May cause skin and eye irritation. May cause respiratory irritation.

Most important symptoms (over-exposure) Not applicable.

Indication of any immediate medical attention and special treatment needed Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Decomposition by contact with water may generate vapours which can be ignited by heat or open flame.

Specific hazards Sensitivity to static discharge.

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation. Avoid dust formation. Remove all sources of ignition. Keep people away from and upwind of spill/leak.

emergency procedures

Take precautionary measures against static discharge. Contents under pressure. Stop leak if possible without personal risk. Do not puncture or incinerate cans. No special environmental precautions required. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin, nail, or any other sharp object into opening on top of can.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place. No known incompatibilities.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Propane/Isobutane/N-Butane	-	-	-
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-
Heptanes	-	-	350 mg/m³ TWA 350 mg/m³ TWA
Acetone	1000 ppm TWA 2400 mg/m³ TWA	500 ppm STEL 250 ppm TWA	250 ppm TWA 590 mg/m³ TWA
Residual oils (petroleum), hydrotreated	-	-	-
Xylenes (o-, m-, p- isomers)	100 ppm TWA 435 mg/m³ TWA	150 ppm STEL 100 ppm TWA	-

Appropriate engineering controls

Ventilation systems. Use adequate ventilation to keep the exposure levels below the OELs.

Individual protection measures, such as personal protective equipment

Eye protection

Safety glasses with side-shields.

Skin and body protection

Chemical resistant apron. Protective gloves.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respirator is recommended. Positive-pressure supplied air respirators may be required for high airborne contaminant concentration. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Canadian Province Occupational Exposure Limits

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland & Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland & Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
Propane/Isobutane/ N-Butane	-	-	-	-	-	-	-	-	-	-
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-	-	-	-	-	-	-
Heptanes	-	-	-	-	-	-	-	-	-	-
Acetone	750 ppm STEL 1800 mg/m³ STEL 500 ppm TWA 1200 mg/m³ TWA	500 ppm STEL 250 ppm TWA	250 ppm TWA 500 ppm STEL	750 ppm STEL 1782 mg/m³ STEL 500 ppm TWA 1188 mg/m³ TWA	500 ppm STEL 250 ppm TWA	500 ppm STEL 250 ppm TWA	500 ppm STEL 250 ppm TWA	500 ppm STEL 250 ppm TWA	1000 ppm STEV 2380 mg/m³ STEV 500 ppm TWAEV 1190 mg/m³ TWAEV	750 ppm STEL 500 ppm TWA
Residual oils (petroleum), hydrotreated	-	-	-	-	-	-	-	-	-	-
Xylenes (o-, m-, p-isomers)	150 ppm STEL 651 mg/m³ STEL 100 ppm TWA 434 mg/m³ TWA	150 ppm STEL 100 ppm TWA	100 ppm TWA 150 ppm STEL	150 ppm STEL 651 mg/m³ STEL 100 ppm TWA 434 mg/m³ TWA	150 ppm STEL 100 ppm TWA	150 ppm STEL 100 ppm TWA	150 ppm STEL 100 ppm TWA	150 ppm STEL 100 ppm TWA	150 ppm STEV 651 mg/m³ STEV 100 ppm TWAEV 434 mg/m³ TWAEV	150 ppm STEL 100 ppm TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Aerosol

Color Red, Opaque

Odor Solvent

Odor threshold Not available

pH Not available

Melting point/range °C Not available

Melting point/range °F Not available

Boiling point/range °C Not available

Boiling point/range °F Not available

Flash point °C -97

Flash point °F -142

Flash point method used based on propellant

Evaporation rate Not available

Flammability (Solid, Gas) Not available

Lower explosion limit Not available

Upper explosion limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	0.744
Solubility	Practically insoluble in water
Partition coefficient (n-octanol/water)	Not available
Autoignition temperature °C	Not available
Autoignition temperature °F	Not available
Decomposition temperature °C	Not available
Decomposition temperature °F	Not available
Viscosity	Not available

10. STABILITY AND REACTIVITY

Reactivity	Not available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Avoid direct sunlight. Avoid extreme temperatures.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Dermal. Inhalation. Ingestion. Eyes.
Symptoms	May cause dizziness and drowsiness. May cause irritation of respiratory tract. Irritating to eyes and skin. Harmful if swallowed. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal. Symptoms of overexposure may be headache, tiredness, nausea, and vomiting.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	May cause respiratory irritation. May cause drowsiness and dizziness. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. May be fatal if swallowed and enters airways. Target Organ Effects:. Central Nervous System (CNS), Eyes, Respiratory System, Skin.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Propane/Isobutane/N-Butane	-	-	-
Petroleum distillates, hydrotreated heavy naphthenic	-	> 2000 mg/kg (Rabbit)	> 5000 mg/kg (Rat)
Heptanes	= 73680 ppm (Rat) 4 h	> 3160 mg/kg (Rabbit) > 2000 mg/kg (Rabbit)	> 5000 mg/kg (Rat) > 4300 mg/kg (Rat)
Acetone	= 50100 mg/m³ (Rat) 8 h	> 15700 mg/kg (Rabbit)	= 5800 mg/kg (Rat)
Residual oils (petroleum), hydrotreated	-	-	-
Xylenes (o-, m-, p- isomers)	= 29.08 mg/L (Rat) 4 h = 5000 ppm (Rat) 4 h > 5.04 mg/L (Rat) 4 h	> 1700 mg/kg (Rabbit) > 4350 mg/kg (Rabbit) > 2000 mg/kg (Rabbit)	= 3500 mg/kg (Rat) = 4820 mg/kg (Rat)

ATEmix (dermal) 10968 mg/kg

ATEmix (oral) 8668 mg/kg

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) 975.5 mg/l

ATEmix (inhalation-dust/mist) 87 mg/l

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Propane/Isobutane/N-Butane	-	-	-	-
Petroleum distillates, hydrotreated heavy naphthenic	A2	Group 1	Listed	Known
Heptanes	-	Group 3	-	-
Acetone	A4	-	-	-
Residual oils (petroleum), hydrotreated	-	-	-	-
Xylenes (o-, m-, p- isomers)	A4	Group 3	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Propane/Isobutane/N-Butane	-	-	-	-	-	-
Petroleum distillates, hydrotreated heavy naphthenic	-	-	ACGIH A2	-	ACGIH A2	-
Heptanes	-	-	-	-	-	-
Acetone	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Residual oils (petroleum), hydrotreated	-	-	-	-	-	-
Xylenes (o-, m-, p-isomers)	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish
Propane/Isobutane/N-Butane	-	-
Petroleum distillates, hydrotreated heavy naphthenic	-	5000: 96 h Oncorhynchus mykiss mg/L LC50
Heptanes	-	258: 96 h Salmo gairdneri mg/L LC50 static
Acetone	-	4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50
Residual oils (petroleum), hydrotreated	-	-
Xylenes (o-, m-, p- isomers)	11: 72 h Pseudokirchneriella subcapitata mg/L EC50	13.4: 96 h Pimephales promelas mg/L LC50 flow-through 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 19: 96 h Lepomis macrochirus mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static

Persistence and degradability Not available.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)
Propane/Isobutane/N-Butane 68476-86-8	68476-86-8	<=2.8
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	64742-52-5	-
Heptanes 64742-49-0	64742-49-0	-
Acetone 67-64-1	67-64-1	-0.24
Residual oils (petroleum), hydrotreated 64742-57-0	64742-57-0	-
Xylenes (o-, m-, p- isomers) 1330-20-7	1330-20-7	2.77 - 3.15

Mobility in soil Not available.

Other adverse effects Not available

13. DISPOSAL CONSIDERATIONS

Disposal information This material as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated packaging Do not reuse containers.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

ID-No	UN1950
Proper shipping name	Aerosols
Hazard Class(es)	2.1
Subsidiary Risk	
Packing group	
Special Provisions	LTD QTY

TDG

ID-No	UN1950
Proper shipping name	Aerosols
Hazard Class(es)	2.1
Packing group	
Special Provisions	LTD QTY

IATA

ID-No	UN1950
Proper shipping name	Aerosols, flammable
Hazard Class(es)	2.1
Subsidiary Risk	
Packing group	
Special Provisions	LTD QTY

IMDG/IMO

ID-No	UN1950
Proper shipping name	Aerosols
Hazard Class(es)	2.1
Packing group	
Special Provisions	LTD QTY

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Propane/Isobutane/N-Butane	68476-86-8	-	-	-
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	-	-	-
Heptanes	64742-49-0	-	-	-
Acetone	67-64-1	-	-	-
Residual oils (petroleum), hydrotreated	64742-57-0	-	-	-
Xylenes (o-, m-, p- isomers)	1330-20-7	-	-	-

Special Precautions Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15. REGULATORY INFORMATION

State regulations

U.S. state Right-to-Know regulations

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Propane/Isobutane/N-Butane	68476-86-8	-	-	-
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	-	X	-
Heptanes	64742-49-0	X	X	X
Acetone	67-64-1	X	X	X
Residual oils (petroleum), hydrotreated	64742-57-0	-	-	-
Xylenes (o-, m-, p- isomers)	1330-20-7	X	X	X

California Prop. 65

Chemical name	CAS-No	California Prop. 65
Propane/Isobutane/N-Butane	68476-86-8	-
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	-
Heptanes	64742-49-0	-
Acetone	67-64-1	-
Residual oils (petroleum), hydrotreated	64742-57-0	-
Xylenes (o-, m-, p- isomers)	1330-20-7	-

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Propane/Isobutane/N-Butane	68476-86-8	-	-
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	-	-
Heptanes	64742-49-0	-	-
Acetone	67-64-1	5000 lb 2270 kg	-
Residual oils (petroleum), hydrotreated	64742-57-0	-	-
Xylenes (o-, m-, p- isomers)	1330-20-7	100 lb 45.4 kg	1.0 %

US EPA SARA 311/312 hazardous categorization

Acute Health Hazard
Chronic Health Hazard
Sudden Release of Pressure Hazard
Fire Hazard

International inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA 8(b)), Canada (DSL/NDSL) or are exempt.

Chemical name	DSL/NDSL	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification
Propane/Isobutane/N-Butane	X	X	-
Petroleum distillates, hydrotreated heavy naphthenic	X	X	-
Heptanes	X	X	-
Acetone	X	X	-
Residual oils (petroleum), hydrotreated	X	X	-
Xylenes (o-, m-, p- isomers)	X	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health	2
Flammability	4
Instability	0

HMIS

Health	2
Flammability	4
Physical hazards	1
Personal protection	B

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by Regulatory Affairs

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Revision note

Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)
ATE (Average Toxicity Estimate)
DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)
HMIS (Hazardous Materials Identification System)
IARC (International Agency for Research on Cancer)
IATA (International Air Transport Association)
IMDG/IMO (International Maritime Dangerous Goods/International Maritime Orgnaization)
NFPA (National Fire Protection Association)
NTP (National Toxicology Program)
OEL (Occupational Exposure Level)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
PEL (Permissible Exposure Limit)
TSCA (Toxic Substance Control Act)
USEPA (United States Environmental Protection Agency)

Disclaimer

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.

End of Safety Data Sheet