

Issue date 11-Jul-2018

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Revision Number 1

1. IDENTIFICATION

Product identification

Product identifier Lawson Lubri-Temp Multipurpose Anti Seize
 Other means of identification 19920
 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	Liquefied Gas

Symbol



Signal word

DANGER

Hazard statements

H222 - Extremely flammable aerosol
 H280 - Contains gas under pressure; may explode if heated
 H315 - Causes skin irritation
 H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness
 H304 - May be fatal if swallowed and enters airways

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

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 hands thoroughly after handling
 P271 - Use only outdoors or in a well-ventilated area
 P280 - Wear protective gloves and eye/face protection
 P284 - Wear respiratory protection

Response

General

P312 - Call a POISON CENTER or doctor if you feel unwell
 P321 - For Specific treatment see section 4 of this sds

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

P264 - Wash hands thoroughly after handling
 P332 + P313 - If skin irritation occurs: Get medical advice/attention
 P362 - Take off contaminated clothing and wash before reuse

Inhalation

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position
 comfortable for breathing
 P314 - Get medical advice/attention if you feel unwell

Ingestion

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

Storage

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

Disposal

P501 - Dispose of contents/container in accordance with local, regional, national, and
 international regulations as applicable

Hazard(s) Not Otherwise Classified (HNOC)

Not available.

Physical Hazards Not Otherwise Classified (PHNOC)

Not available.

Unknown acute toxicity

8%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition

Mixture.

Chemical name	CAS-No	Weight %
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	35-45
Propane/Isobutane/N-Butane	68476-86-8	10-30
N-Heptane	142-82-5	10-30
Aluminum	7429-90-5	3-7
Graphite	7782-42-5	1-5

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

4. FIRST-AID MEASURES

Necessary first-aid measures

Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, administer artificial respiration by trained personnel. If unconscious, place in recovery position and get medical attention immediately.
Ingestion	Rinse mouth. Do NOT induce vomiting. Seek medical advice.
Skin contact	Wash with plenty of soap and water. Flush area with water for 15 minutes. Remove contaminated clothing and footwear. If skin irritation persists, call a physician.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a specialist.

Most important symptoms (acute)

Adverse symptoms may include the following: eye pain, redness, and watering. Blurred vision. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Can cause Central Nervous System depression. May cause respiratory irritation. Anesthetic. Symptoms include abdominal pain, stomach upset, nausea, vomiting and diarrhea. Risk of aspiration into the lungs.

Most important symptoms (over-exposure)

May cause damage to skin, lungs, respiratory and gastrointestinal tract due to prolonged and repeated exposure.

Indication of any immediate medical attention and special treatment needed

NOTE TO PHYSICIAN: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Carbon dioxide (CO ₂). Foam. Dry chemical.
Unsuitable extinguishing media	Water stream may spread fire. Water spray may be ineffective.
Specific hazards	Contents under pressure. Heating will cause pressure rise with risk of bursting and subsequent explosion. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Contains a flammable propellant. Hazardous Thermal Decomposition Products: Oxides of carbon.
Special protective equipment for fire-fighters	Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear personal protective clothing and equipment, see section 8.

Methods and materials for containment and cleaning up

Eliminate all sources of ignition. Ventilate the area. Contain the spill to prevent spread to drains, sewers, water supplies, or soil. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

7. HANDLING AND STORAGE**Precautions for safe handling**

Pressurized container: Do not pierce or burn, even after use. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 122 °F (50 °C). Store locked up. No known incompatibilities.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

See information below

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-
Propane/Isobutane/N-Butane	-	-	-
N-Heptane	500 ppm TWA 2000 mg/m ³ TWA	500 ppm STEL 400 ppm TWA	85 ppm TWA 350 mg/m ³ TWA
Aluminum	15 mg/m ³ TWA 5 mg/m ³ TWA	1 mg/m ³ TWA	10 mg/m ³ TWA 5 mg/m ³ TWA 5 mg/m ³ TWA 5 mg/m ³ TWA
Graphite	15 mg/m ³ TWA 5 mg/m ³ TWA	2 mg/m ³ TWA	2.5 mg/m ³ TWA

Appropriate engineering controls

A safety shower and eye wash station should be available for emergency use. Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment**Eye protection**

ANSI approved safety glasses or splash goggles are recommended.

Skin and body protection

Chemical resistant gloves.

Respiratory protection

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

Hygiene measures

Wash hands before breaks and immediately after handling the product. 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
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-	-	-	-	-	-	-
Propane/Isobutane/N-Butane	-	-	-	-	-	-	-	-	-	-

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland and Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
N-Heptane	500 ppm STEL 2050 mg/m ³ STEL 400 ppm TWA 1640 mg/m ³ TWA	500 ppm STEL 400 ppm TWA	400 ppm TWA 500 ppm STEL	500 ppm STEL 2050 mg/m ³ STEL 400 ppm TWA 1640 mg/m ³ TWA	500 ppm STEL 400 ppm TWA 400 ppm TWA	500 ppm STEL 400 ppm TWA	500 ppm STEL 400 ppm TWA	500 ppm STEL 400 ppm TWA 400 ppm TWA	500 ppm STEV 2050 mg/m ³ STEV 400 ppm TWAEV 1640 mg/m ³ TWAEV	500 ppm STEL 400 ppm TWA
Aluminum	10 mg/m ³ TWA 5 mg/m ³ TWA	1.0 mg/m ³ TWA	1 mg/m ³ TWA	10 mg/m ³ TWA 5 mg/m ³ TWA	1 mg/m ³ TWA	1 mg/m ³ TWA	1 mg/m ³ TWA	1 mg/m ³ TWA	10 mg/m ³ TWAEV 5 mg/m ³ TWAEV 10 mg/m ³ TWAEV	20 mg/m ³ STEL 10 mg/m ³ STEL 10 mg/m ³ TWA 5 mg/m ³ TWA
Graphite	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWAEV	4 mg/m ³ STEL 2 mg/m ³ TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Aerosol
Color	Silver
Odor	Solvent
Odor threshold	No information available
pH	No data available
Melting point/range °C	No data available
Melting point/range °F	No data available
Boiling point/range °C	No data available
Boiling point/range °F	No data available
Flash point °C / °F	No data available
Evaporation rate	>7
Flammability (Solid, Gas)	Extremely Flammable Aerosol
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	No data available
Vapor density	>Air
Relative density	0.930
Solubility	insoluble

Partition coefficient (n-octanol/water)	No data available
Autoignition temperature °C	No data available
Autoignition temperature °F	No data available
Decomposition temperature °C	No data available
Decomposition temperature °F	No data available
Viscosity	No data available

10. STABILITY AND REACTIVITY

Reactivity	None known.
Chemical stability	Stable.
Possibility of hazardous reactions	None known.
Conditions to avoid	Do not puncture, incinerate or expose to temperatures above 120 degrees F. Do not store near sources of ignition.
Incompatible materials	No known incompatibilities.
Hazardous decomposition products	Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Dermal. Inhalation. Ingestion. Eyes.
Symptoms	Eye irritation. burning. redness. Tearing. Ingestion may cause nausea or vomiting. Aspiration hazard. May cause severe lung damage if aspirated into the lungs from ingestion or vomiting. Aspiration may cause pulmonary edema and pneumonitis. Inhalation of vapors in high concentration may cause irritation of respiratory system. Dizziness. Headache. Nausea. Central nervous system depression. Prolonged exposure may cause unconsciousness, heart effects, liver effects, kidney effects and death. Skin contact may cause localized defatting, irritation, may be absorbed through skin with systemic effects.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	Excessive exposure will aggravate pre-existing skin disorders, respiratory, liver, kidney, cardiovascular or pulmonary illnesses. May cause damage to skin, lungs, respiratory and gastrointestinal tract due to prolonged and repetitive exposure.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Petroleum distillates, hydrotreated heavy naphthenic	-	> 2000 mg/kg (Rabbit)	> 5000 mg/kg (Rat)
Propane/Isobutane/N-Butane	-	-	-
N-Heptane	= 103 g/m ³ (Rat) 4 h	= 3000 mg/kg (Rabbit)	-
Aluminum	-	-	-
Graphite	-	-	> 10000 mg/kg (Rat)

ATEmix (dermal)	Not available
ATEmix (oral)	Not available
ATEmix (inhalation-gas)	Not available
ATEmix (inhalation-vapor)	Not available
ATEmix (inhalation-dust/mist)	Not available

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Petroleum distillates, hydrotreated heavy naphthenic	A2	Group 1	Listed	Known
Propane/Isobutane/N-Butane	-	-	-	-
N-Heptane	-	-	-	-
Aluminum	A4	-	-	-
Graphite	-	-	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Petroleum distillates, hydrotreated heavy naphthenic	-	-	ACGIH A2	-	ACGIH A2	-
Propane/Isobutane/N-Butane	-	-	-	-	-	-
N-Heptane	-	-	-	-	-	-
Aluminum	-	-	ACGIH A4	-	ACGIH A4	-
Graphite	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish
Petroleum distillates, hydrotreated heavy naphthenic	-	5000: 96 h Oncorhynchus mykiss mg/L LC50
Propane/Isobutane/N-Butane	-	-
N-Heptane	-	375.0: 96 h Cichlid fish mg/L LC50
Aluminum	-	-
Graphite	-	-

Persistence and degradability Component(s) of this product are not biodegradable.

Bioaccumulation Does not bioaccumulate

Chemical name	CAS-No	Partition coefficient (log Kow)
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	64742-52-5	-
Propane/Isobutane/N-Butane 68476-86-8	68476-86-8	<=2.8
N-Heptane 142-82-5	142-82-5	4.66
Aluminum 7429-90-5	7429-90-5	-
Graphite 7782-42-5	7782-42-5	-

Mobility in soil This product is mobile in soil.

Other adverse effects Toxic to aquatic life with long lasting effects

13. DISPOSAL CONSIDERATIONS

Disposal information Dispose in accordance with local, state and federal regulations. Do not flush into surface water or sanitary sewer system.

Contaminated packaging Dispose in accordance with local, state and federal regulations. Do not puncture or incinerate.

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
 Packing group

Marine pollutant Yes
Special Provisions LTD QTY

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	-	-	-
Propane/Isobutane/N-Butane	68476-86-8	-	-	-
N-Heptane	142-82-5	X	-	X
Aluminum	7429-90-5	-	-	-
Graphite	7782-42-5	-	-	-

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 See information below

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	-	X	-
Propane/Isobutane/N-Butane	68476-86-8	-	-	-
N-Heptane	142-82-5	X	X	X
Aluminum	7429-90-5	X	X	X
Graphite	7782-42-5	X	X	X

California Prop. 65

Chemical name	CAS-No	California Prop. 65
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	-
Propane/Isobutane/N-Butane	68476-86-8	-
N-Heptane	142-82-5	-
Aluminum	7429-90-5	-
Graphite	7782-42-5	-

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. Federal Regulations**RCRA - D Series Wastes**

Waste likely considered hazardous under RCRA, however, product should be fully characterized prior to disposal (40CFR 261).

US EPA SARA 313

See information below

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	-	-
Propane/Isobutane/N-Butane	68476-86-8	-	-
N-Heptane	142-82-5	-	-
Aluminum	7429-90-5	-	1.0 %
Graphite	7782-42-5	-	-

US EPA SARA 311/312 hazardous categorization

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
Petroleum distillates, hydrotreated heavy naphthenic	X	X	-
Propane/Isobutane/N-Butane	X	X	-
N-Heptane	X	X	X
Aluminum	X	X	-
Graphite	X	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health 1
 Flammability 3
 Instability 1
 Specific hazard Not available

HMIS

Health 1
 Flammability 3
 Physical hazards 1
 Personal protection G

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 Organization)
- 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