Safety Data Sheet

Issue date 23-May-2018 **Revision date** 23-May-2018 **Revision Number** 1

1. IDENTIFICATION

Product identification

Product identifier	Lawson EP Red High Temperature Bearing Grease
Other means of identification	99998
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 While this material is not classified as hazardous under OSHA regulations, this SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Symbol Not applicable

Signal word Not applicable

Hazard statements Not applicable

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.
Response	Not applicable
General	Not applicable
Eyes	Not applicable
Skin	Not applicable

Inhalation	Not applicable
Ingestion	Not applicable
Fire	Not available
Spill	Not available
Storage	Not applicable
Disposal	P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable
Hazard(s) Not Otherwise Classified (HNOC)	None known.
Physical Hazards Not Otherwise Classified (PHNOC)	None known.
Unknown acute toxicity	7% Unknown oral toxicity 7% unknown dermal toxicity 7% unknown inhalation toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Mixture.

Chemical name	CAS-No	Weight %
Paraffinic Mineral Oil	8042-47-5	5-10
Mineral oil	MIXTURE	1-5
Antimony Di-amyl Dithiocarbamate	15890-25-2	1-5
fluoranthene	206-44-0	0-1
Chrysene	218-01-9	0-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

4. FIRST-AID MEASURES

Necessary first-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms maybe delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Ingestion	Rinse mouth. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting without medical advice. Get medical attention immediately if symptoms occur.
Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if symptoms occur.
Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs.

Most important symptoms (acute)	No known significant effects or critical hazards.
Most important symptoms (over-exposure)	No known significant effects or critical hazards.
Indication of any immediate medical attention and special treatment needed	In case of inhalation of decomposition products in a fire, symptoms maybe delayed. The exposed person may need to be kept under medical surveillance for 48 hours. No action shall be taken involving any personal risk or without suitable training.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None known.
Specific hazards	No specific fire or explosion hazard. Hazardous Thermal Decomposition Products may include: carbon dioxide, carbon monoxide, Sulfur oxides, Metal oxide(s). Nitrogen oxides (NOx).
Special protective equipment for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering the area. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containment and cleaning up	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Prevent entry into waterways, sewers, basements, and confined areas. See section 1 for emergency contact information and section 13 for disposal information.

7. HANDLING AND STORAGE

Precautions for safe handling	Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep containers tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled or mislabeled containers. Use appropriate containment to avoid environmental contamination. See section 10 for incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Paraffinic Mineral Oil	5 mg/m³ TWA	5 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA
Mineral oil	-	-	-
Antimony Di-amyl Dithiocarbamate	0.5 mg/m³ TWA	0.5 mg/m³ TWA	0.5 mg/m³ TWA
fluoranthene	-	-	-
Chrysene	0.2 mg/m³ TWA 0.2 mg/m³ TWA	0.2 mg/m³ TWA	0.1 mg/m³ TWA

Appropriate engineering controls

A safety shower and eye wash station should be available for emergency use. Ensure adequate ventilation. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures, such as personal protective equipment

Eye protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection:. Safety glasses with side-shields.

Skin and body protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

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
Paraffinic Mineral Oil	10 mg/m³ STEL 5 mg/m³ TWA	0.2 mg/m³ TWA 1 mg/m³ TWA	5 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA	5 mg/m³ TWA	5 mg/m³ TWA	5 mg/m³ TWA	5 mg/m³ TWA	10 mg/m³ STEV 5 mg/m³ TWAEV	10 mg/m³ STEL 5 mg/m³ TWA
Mineral oil	-	-	-	-	-	-	-	-	-	-
Antimony Di-amyl Dithiocarbamate	0.5 mg/m³ TWA	0.5 mg/m³ TWA	0.5 mg/m³ TWA	0.5 mg/m³ TWA	0.5 mg/m³ TWA	0.5 mg/m³ TWA	0.5 mg/m³ TWA	0.5 mg/m³ TWA	0.5 mg/m³ TWAEV	1.5 mg/m³ STEL 0.5 mg/m³

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
										TWA
fluoranthene	-	-	-	-	-	-	-	-	-	0.6 mg/m³ STEL 0.2 mg/m³ TWA
Chrysene	0.2 mg/m³ TWA	0.2 mg/m³ TWA	0.2 mg/m³ TWA	0.2 mg/m³ TWA	0.2 mg/m³ TWA	0.2 mg/m³ TWA	0.2 mg/m³ TWA	0.2 mg/m³ TWA	0.2 mg/m³ TWAEV	0.6 mg/m³ STEL 0.2 mg/m³ TWA 0.2 mg/m³ TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Solid

Color Clear, Red

Odor Mild Petroleum

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 No data available

Flammability (Solid, Gas) Flammable in the presence of open flames, sparks, static discharge or heat

Lower explosion limit No data available

Upper explosion limit No data available

Vapor pressure No data available

Vapor density No data available

Relative density 0.9

Solubility Insoluble in cold water Insoluble in hot water

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 Kinematic (40°C (104°F)): >0.205 cm²/s (>20.5 cSt)

10. STABILITY AND REACTIVITY

Reactivity No specific test data related to reactivity available for this product or its ingredients.

Chemical stability This material is considered stable.

Possibility of hazardous reactions No dangerous reactions under normal conditions of use.

Conditions to avoid No specific data.

Incompatible materials No specific data.

Hazardous decomposition products None under normal use.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Dermal. Ingestion.

Symptoms No known significant effects or critical hazards.

Delayed and immediate effects as well as chronic effects from short and long-term exposure No known significant effects or critical hazards.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Paraffinic Mineral Oil	= 2062 ppm (Rat) 4 h	-	> 5000 mg/kg (Rat) > 24 g/kg (Rat)
Mineral oil	-	-	-
Antimony Di-amyl Dithiocarbamate	-	> 16000 mg/kg (Rabbit)	> 16400 mg/kg (Rat)
fluoranthene	-	= 3180 mg/kg (Rabbit) Dermal LD50 Rabbit 3180 mg/kg (Source: HSDB)	= 2 g/kg (Rat) Oral LD50 Rat 2 g/kg (Source: NLM_CIP)
Chrysene	-	> 5000 mg/kg (Rat)	= 3300 mg/kg (Rat)

ATEmix (dermal) Not available

ATEmix (oral) 43010.8 mg/kg

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
Paraffinic Mineral Oil	A4 A2	-	-	-
Mineral oil	-	-	-	-
Antimony Di-amyl Dithiocarbamate	-	-	-	-
fluoranthene	-	Group 3	-	-
Chrysene	A3 A1	Group 1 Group 2B	Listed	Known

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Paraffinic Mineral Oil	-	IARC 1	ACGIH A2 ACGIH A4	-	ACGIH A2 ACGIH A4	-
Mineral oil	-	-	-	-	-	-
Antimony Di-amyl Dithiocarbamate	-	-	-	-	-	-
fluoranthene	-	-	-	-	-	-
Chrysene	A1 - Confirmed Human Carcinogen	ACGIH A1 IARC 2B IARC 1	ACGIH A1 ACGIH A3	ACGIH A1 ACGIH A3	ACGIH A1 ACGIH A3	C1 carcinogen C2 carcinogen

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish
Paraffinic Mineral Oil	-	10000: 96 h Lepomis macrochirus mg/L LC50
Mineral oil	-	-
Antimony Di-amyl Dithiocarbamate	-	-
fluoranthene	-	-
Chrysene	-	-

Persistence and degradability Not expected to be rapidly degradable.

Bioaccumulation Bioaccumulative potential

Chemical name	CAS-No	Partition coefficient (log Kow)
Paraffinic Mineral Oil 8042-47-5	8042-47-5	>6
Mineral oil MIXTURE	MIXTURE	-
Antimony Di-amyl Dithiocarbamate	15890-25-2	-

Chemical name	CAS-No	Partition coefficient (log Kow)
15890-25-2		
fluoranthene 206-44-0	206-44-0	5.1
Chrysene 218-01-9	218-01-9	5.61 - 5.91 6.04

Mobility in soil Not available.

Other adverse effects No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Disposal information The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not reasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT Not Regulated

TDG
ID-No Not Regulated

IATA
ID-No Not Regulated

IMDG/IMO
ID-No Not Regulated

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Paraffinic Mineral Oil	8042-47-5	-	-	-
Mineral oil	MIXTURE	-	-	-
Antimony Di-amyl Dithiocarbamate	15890-25-2	-	-	-
fluoranthene	206-44-0	-	-	-
Chrysene	218-01-9	-	-	-

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
Paraffinic Mineral Oil	8042-47-5	X	X	X
Mineral oil	MIXTURE	-	-	-
Antimony Di-amyl Dithiocarbamate	15890-25-2	-	X	X
fluoranthene	206-44-0	X	X	X
Chrysene	218-01-9	X	X	X

California Prop. 65

Chemical name	CAS-No	California Prop. 65
Paraffinic Mineral Oil	8042-47-5	-
Mineral oil	MIXTURE	-
Antimony Di-amyl Dithiocarbamate	15890-25-2	-
fluoranthene	206-44-0	-
Chrysene	218-01-9	Carcinogen

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Paraffinic Mineral Oil	8042-47-5	-	-
Mineral oil	MIXTURE	-	-
Antimony Di-amyl Dithiocarbamate	15890-25-2	-	1.0 %
fluoranthene	206-44-0	100 lb 45.4 kg	1.0 % 0.1 %
Chrysene	218-01-9	100 lb 45.4 kg	1.0 % 0.1 %

US EPA SARA 311/312 hazardous categorization Not applicable

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
Paraffinic Mineral Oil	X	X	-
Mineral oil	-	-	-
Antimony Di-amyl Dithiocarbamate	X	X	-
fluoranthene	X	X	-
Chrysene	X	X	-

16. OTHER INFORMATION

NFPA

Health	1
Flammability	1
Instability	0

HMIS

Health	1
Flammability	1
Physical hazards	0

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

Issue date 23-May-2018

Revision date 23-May-2018

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