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Revision Number 1

1. IDENTIFICATION

Product identification

Product identifier Rotanium Blue Grease HT Multipurpose Grease
 Other means of identification 1506755
 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).

Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1

Symbol



Signal word WARNING

Hazard statements H319 - Causes serious eye irritation
 H317 - May cause an allergic skin reaction

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	P280 - Wear protective gloves/protective clothing and eye/face protection P264 - Wash skin thoroughly after handling P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P272 - Contaminated work clothing should not be allowed out of the workplace
Response	
General	P314 - Get medical advice/attention if you feel unwell.
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 P363 - Wash contaminated clothing before reuse P332 + P313 - If skin irritation occurs: Get medical advice/attention
Fire	Not applicable
Spill	Not applicable
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	30.9%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Mixture.

Chemical name	CAS-No	Weight %
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	20-40
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	20-30
Calcium Sulfonate	61789-86-4	5-15
Calcium Carbonate	471-34-1	1-10

The exact percentage (concentration) of composition has been withheld as a trade secret
As per 29 CFR 1910.1200 paragraph i, formulation is considered as trade secret and therefore specific chemical names and their percentages of components used have not been disclosed. The details about their specific chemical names and their percentages may be provided on request to health professionals, authorized representatives of regulatory authority, employees concerned in accordance with applicable provisions of this paragraph.

4. FIRST-AID MEASURES

Necessary first-aid measures

General Information When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings.

Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard. Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
Ingestion	Drink plenty of water. In general, no treatment is necessary unless large quantities are swallowed; however, it is advisable to take medical attention. Do not induce vomiting without medical advice. Do not give anything by mouth to an unconscious person.
Skin contact	Remove contaminated clothing. Flush skin with water and follow by washing skin with soap and water. Seek medical attention if irritation persists. If the product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Though the initial symptoms due to high pressure injection may be minimal or absent, early surgical treatment may significantly reduce the extent of injury.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Seek medical attention if irritation persists.
Most important symptoms (acute)	Not available.
Most important symptoms (over-exposure)	Not available.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry Chemical, Carbon Dioxide, Foam or Water Fog. Sand.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards	Hazardous combustion products: may include a complex mixture of airborne and solid and liquid particulates and gases, carbon monoxide, unidentified inorganic and organic compounds.
Special protective equipment for fire-fighters	Do not enter fire area without proper protective equipment, including respiratory protection. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Isolate the spill or leak area in all directions for about 50 meters (150 feet) for liquids and about 25 meters (75 feet) for solids and semi-solids. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unnecessary and unprotected personnel from entering the area.
Methods and materials for containment and cleaning up	Use appropriate containment to avoid environmental contamination. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Dike far ahead of liquid spill for later disposal. Absorb with earth, sand, or another dry inert material.

Shovel into suitable container for disposal. See section 1 for emergency contact information and section 13 for disposal information.

7. HANDLING AND STORAGE

Precautions for safe handling

Store in a cool, dry, and well-ventilated place. Avoid prolonged or repeated contact with skin. Avoid breathing dust/fume/gas/mist/vapors/spray. Put on appropriate personal protective equipment (see section 8). Keep container tightly closed and sealed until ready for use.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed and sealed until ready for use. Keep in a dry, cool and well-ventilated place. Keep away from water. Store at temperatures not exceeding <50 °C/ <120 °F. Containers exposed to extreme heat may burst. Store away from oxidizing and reducing materials. Keep away from incompatible materials. Incompatible with oxidizing agents. Strong reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-
Petroleum distillates, hydrotreated heavy paraffinic	-	-	-
Calcium Sulfonate	-	-	-
Calcium Carbonate	15 mg/m ³ TWA 5 mg/m ³ TWA	-	10 mg/m ³ TWA 5 mg/m ³ TWA 10 mg/m ³ TWA 5 mg/m ³ TWA

Appropriate engineering controls

Showers, eyewash stations, and ventilation systems.

Individual protection measures, such as personal protective equipment

Eye protection

Wear safety glasses with side shields. If splashes are likely to occur, wear.. Tightly fitting safety goggles.

Skin and body protection

Wear impervious gloves to prevent contact with the skin. Impervious clothing.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respirator is recommended.

Hygiene measures

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Canadian Province Occupational Exposure Limits

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundl and & Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatche wan - OEL
Petroleum distillates, hydrotreated heavy	-	-	-	-	-	-	-	-	-	-

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
naphthenic										
Petroleum distillates, hydrotreated heavy paraffinic	-	-	-	-	-	-	-	-	-	-
Calcium Sulfonate	-	-	-	-	-	-	-	-	-	-
Calcium Carbonate	10 mg/m ³ TWA	20 mg/m ³ STEL 10 mg/m ³ TWA 3 mg/m ³ TWA	-	10 mg/m ³ TWA	-	-	-	-	10 mg/m ³ TWA 10 mg/m ³ TWA 10 mg/m ³ TWA	20 mg/m ³ STEL 10 mg/m ³ TWA 10 mg/m ³ TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Semi-Solid
Color	Blue
Odor	Slight Hydrocarbon
Odor threshold	Not available
pH	Not available
Melting point/range °C	Not applicable
Melting point/range °F	Not applicable
Boiling point/range °C	Not applicable
Boiling point/range °F	Not applicable
Flash point °C	495
Flash point °F	257
Evaporation rate	Not available
Flammability (Solid, Gas)	Not available
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapor pressure	<0.13 kPa(<1 mm Hg)
Vapor density	<1 (Air = 1)
Relative density	0.87
Solubility	Not available
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	The product is stable and not reactive under normal conditions of use, storage and transport. Under high temperature or adverse operating conditions thermal or chemical decomposition of the product may be possible.
Chemical stability	Stable at normal temperature and pressure.
Possibility of hazardous reactions	None under normal conditions of use.
Conditions to avoid	Avoid extreme temperatures. Avoid direct sunlight. Avoid heat. Avoid open flames.
Incompatible materials	Not available.
Hazardous decomposition products	None under normal use.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Dermal. Eyes.
Symptoms	Causes serious eye irritation. Mild skin irritant.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	Not available.

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)
Petroleum distillates, hydrotreated heavy paraffinic	-	> 5000 mg/kg (Rabbit)	> 15 g/kg (Rat)
Calcium Sulfonate	-	> 5000 mg/kg (Rabbit)	> 20 g/kg (Rat)
Calcium Carbonate	-	-	= 6450 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
Petroleum distillates, hydrotreated heavy paraffinic	A2	Group 1	Listed	Known
Calcium Sulfonate	-	-	-	-
Calcium Carbonate	-	-	-	-

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	-
Petroleum distillates, hydrotreated heavy paraffinic	-	-	ACGIH A2	-	ACGIH A2	-
Calcium Sulfonate	-	-	-	-	-	-
Calcium Carbonate	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish
Petroleum distillates, hydrotreated heavy naphthenic	-	5000: 96 h Oncorhynchus mykiss mg/L LC50
Petroleum distillates, hydrotreated heavy paraffinic	-	5000: 96 h Oncorhynchus mykiss mg/L LC50
Calcium Sulfonate	-	5.7 - 9.7: 96 h Pimephales promelas mg/L LC50 static 1.0 - 10.0: 96 h Pimephales promelas mg/L LC50 semi-static
Calcium Carbonate	-	-

Persistence and degradability Not available.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)
Petroleum distillates, hydrotreated heavy	64742-52-5	-

Chemical name	CAS-No	Partition coefficient (log Kow)
naphthenic 64742-52-5		
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	64742-54-7	-
Calcium Sulfonate 61789-86-4	61789-86-4	-
Calcium Carbonate 471-34-1	471-34-1	-

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 whenever possible. Dispose in accordance with local, state and federal regulations. The product should not be allowed to enter drains, water courses or the soil.

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

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

Proper shipping name Not regulated

TDG

Proper shipping name Not regulated

IATA

Proper shipping name Not regulated

IMDG/IMO

Proper shipping name Not regulated

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	-	-	-
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	-	-	-
Calcium Sulfonate	61789-86-4	-	-	-
Calcium Carbonate	471-34-1	-	-	-

Special Precautions Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. REGULATORY INFORMATION

State regulations

U.S. state Right-to-Know regulations

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	-	X	-
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	-	X	-
Calcium Sulfonate	61789-86-4	-	-	-
Calcium Carbonate	471-34-1	X	X	X

California Prop. 65

Chemical name	CAS-No	California Prop. 65
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	-
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	-
Calcium Sulfonate	61789-86-4	-
Calcium Carbonate	471-34-1	-

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	-	-
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	-	-
Calcium Sulfonate	61789-86-4	-	-
Calcium Carbonate	471-34-1	-	-

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
Petroleum distillates, hydrotreated heavy naphthenic	X	X	-
Petroleum distillates, hydrotreated heavy paraffinic	X	X	-
Calcium Sulfonate	X	X	-
Calcium Carbonate	X	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health	2
Flammability	0
Instability	0

HMIS

Health	2
Flammability	0
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

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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