

Material Safety Data Sheet

Revision Date 06-Jun-2014

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code P91491
Product name Blue 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 (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Extremely flammable liquid and vapor. Contents under pressure. Vapors may cause flash fire or explosion. May cause eye/skin irritation.

Aggravated Medical Conditions

Pre-existing skin conditions may be aggravated by exposure to this product.

Principal Routes of Exposure

Skin contact. Inhalation. Ingestion. Eyes.

Potential health effects

Eyes May cause the following effects:. Irritation. Moderately irritating to the eyes.

Skin Causes:. Skin Irritation. Prolonged skin contact may defat the skin and produce dermatitis. Redness.

Inhalation Repeated or prolonged exposure may cause the following effects:. May be harmful if inhaled. Exposure to high doses may cause central nervous system depression (anesthetic-like effects). Doses which cause anesthetic-like effects may also cause adverse effects in liver, lungs and kidneys. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion No hazard under normal industrial and institutional use. Harmful or fatal if swallowed. Aspiration hazard. Harmful or fatal if aspirated into the lungs from ingestion or vomiting.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propane/Isobutane/N-Butane	68476-86-8	25-30

N-Heptane	142-82-5	20-25
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	15-20
Mineral Spirits	64742-47-8	15-20
Benzenesulfonic Acid, Dodecyl, Calcium Salt	26264-06-2	5-10

4. FIRST AID MEASURES

Eye contact Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek medical attention.

Skin contact Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Seek medical attention if irritation occurs.

Ingestion Seek medical attention immediately. Do not induce vomiting. Contact physician or poison control center immediately.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash point °C -96
Flash point °F -141
Method Pensky-Martens C.C.

Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits (% in Air)

Upper 9.5
Lower 1.0

Suitable extinguishing media

Alcohol foam. Carbon dioxide (CO₂). Dry chemical powder. Foam. Water fog.

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

Extremely flammable. Vapors are heavier than air and may travel along the ground to an ignition source distant from material handling area. Possible ignition sources include pilot lights, flames, lighted cigarettes, heating elements, electric motors, sparks from electrical switches. Keep product and empty container away from heat and sources of ignition. Contents under pressure. Containers exposed to extreme heat may burst. 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.

Sensitivity to shock

No information available.

Sensitivity to static discharge

Yes. Take precautionary measures against static discharges.

6. ACCIDENTAL RELEASE MEASURES**Methods for cleaning up**

Dam and contain spill using sand or other inert material. Place in non-leaking, tightly sealed container for proper disposal.

7. HANDLING AND STORAGE**Handling**

Keep in a well-ventilated place. Thoroughly wash hands and exposed skin after handling. Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities. Use only according to label directions. Handle empty containers as if they were full. Avoid breathing vapors from heated material. Avoid contact with skin, eyes and clothing.

Storage

Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition. Do not freeze. Keep out of the reach of children. Store in temperatures below 120 degrees F (50 degrees C). Keep away from direct sunlight. Do not puncture or incinerate.

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)
Mineral Spirits	-	-	-	-
N-Heptane	500 ppm 2000 mg/m ³	-	400 ppm	500 ppm
Propane/Isobutane/N-Butane	-	-	-	N/D
Petroleum distillates, solvent-refined heavy paraffinic	-	-	-	-
Benzenesulfonic Acid, Dodecyl, Calcium Salt	-	-	-	-

Ventilation and Environmental Controls

Use enough ventilation, local exhaust at the work area, general, or both, to keep below the TLV's in the worker's breathing zone and the general area. Local: as necessary.

Hygiene measures

Wash hands before eating or using the washroom. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

Respiratory protection

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Wear a NIOSH approved organic vapor respirator. Protection provided by air purifying respirators is limited. Use a positive pressure supplied air respirator. If there is any potential for an uncontrolled release, where exposure levels are not known, or other circumstances where an air purifying respirator (P100) may not provide adequate protection.

Hand Protection

Impervious gloves. Gloves are recommended to prevent prolonged or repeated contact. For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves.

Eye protection

Use safety eyewear designed to protect against splash of liquids. Safety glasses with side-shields.

Skin and body protection

Wear appropriate clothing to minimize skin contact. Rubber or plastic boots.

Other Protective Equipment

A safety shower and eye wash station should be available for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Blue
Odor	Solvent
Odor Threshold	Not Applicable
pH	Not Applicable
Specific Gravity	0.7237
Vapor pressure	No data available
Vapor density	>1 (Air = 1)
Evaporation Rate	>1 (Butyl Acetate = 1)
Water solubility	Negligible
VOC Content	49.52%, 358 g/L; 2.99 lbs/gal
Partition Coefficient (n-octanol/water)	Not Applicable
Boiling point/range °C	-31 - 323
Boiling point/range °F	-23 - 550
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	-96
Flash point °F	-141

10. STABILITY AND REACTIVITY**Stability**

Stable under recommended storage conditions.

Conditions to avoid

Avoid sources of ignition. Contact with ignition sources, hot-glowing surfaces, electrical arcs, sparks, and open flame.

Incompatibility

Strong oxidizing agents. Reducing agents.

Hazardous Decomposition Products

Carbon dioxide. Carbon monoxide. Fumes. smoke.

Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral,rat))	LD50 (dermal, rat/rabbit)	LC50 (inhalation,rat)
Mineral Spirits 64742-47-8	5000 mg/kg	2000 mg/kg	5.2 mg/L
N-Heptane 142-82-5	-	3000 mg/kg	103 g/m ³
Propane/Isobutane/N-Butane 68476-86-8	-	-	-
Petroleum distillates, solvent-refined heavy paraffinic 64741-88-4	5000 mg/kg	2000 mg/kg	2.18 mg/L
Benzenesulfonic Acid, Dodecyl, Calcium Salt 26264-06-2	1086 - 1980 mg/kg	-	-

Synergistic Products

None known

Potential health effects**Sensitization**

None known .

Chronic toxicity

See Section 2 .

Mutagenic effects

None known .

Teratogenic effects

None known .

Reproductive toxicity

None known .

Target Organ Effects

Central nervous system. Long term exposure to vapor may cause lung damage. Long term exposure to vapor may cause kidney damage. Long term exposure to vapor may cause liver damage.

Carcinogenic effects

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Mineral Spirits	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
N-Heptane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum distillates, solvent-refined heavy paraffinic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Benzenesulfonic Acid, Dodecyl, Calcium Salt	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Petroleum distillates, solvent-refined heavy paraffinic

Water Flea Data

Daphnia magna EC50>1000 mg/L (48 h)

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**

This product contains no listed chemicals subject to reporting

Chemical Name	US EPA SARA 313 Emission Reporting
Propane/Isobutane/N-Butane	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Mineral Spirits	Not Listed	Not Listed	Not Listed

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
N-Heptane	Not Listed	Listed	Not Listed
Propane/Isobutane/N- Butane	Not Listed	Not Listed	Not Listed
Petroleum distillates, solvent-refined heavy paraffinic	Not Listed	Not Listed	Not Listed
Benzenesulfonic Acid, Dodecyl, Calcium Salt	Not Listed	Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Mineral Spirits	X	X	-	X
N-Heptane	X	X	-	X
Propane/Isobutane/N- Butane	X	X	-	X
Petroleum distillates, solvent-refined heavy paraffinic	X	X	-	X
Benzenesulfonic Acid, Dodecyl, Calcium Salt	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.

16. OTHER INFORMATION**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.