



Material Safety Data Sheet

White Lithium Grease

MSDS ID: 480

*** Section 1 - Chemical Product and Company Identification ***

Part Number: 480 (Aerosol)

Product Use: General Purpose Spray Lubricant

Manufacturer Information

BG Products Inc.
701 S. Wichita Street
Wichita, KS 67213

Phone: (316) 265-2686
Fax: (316) 265-0718
Emergency # 1-800-424-9300 (CHEMTREC)

*** Section 2 - Hazards Identification ***

Emergency Overview

DANGER

- CONTENTS UNDER PRESSURE!
- EXTREMELY FLAMMABLE! Vapors may cause flash fire or explosion. Do not use or store near flames, sparks, or hot surfaces.
- VAPOR HARMFUL! Avoid prolonged breathing of fumes. Use with adequate ventilation.
- Avoid contact with eyes, skin, and clothing.

HMIS Ratings: Health: 1 Fire: 4 Physical Hazard: 0 Pers. Prot.: B

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
142-82-5	Heptane (n-)	30-60
68476-86-8	Petroleum gases, liquified, sweetened	15-40
67-64-1	Acetone	3-7

Component Information

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication). This product is considered a controlled product under the Canadian Controlled Products Regulations (CPR).

*** Section 4 - First Aid Measures ***

First Aid: Eyes

In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.

First Aid: Skin

For skin contact flush with large amounts of water while removing contaminated clothing. If irritation persists, get medical attention.

First Aid: Ingestion

If ingested, get immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel.

First Aid: Inhalation

Move person to non-contaminated air. Give artificial respiration if not breathing. Call a physician if symptoms develop or persist.



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*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.
Keep away from heat, sparks, or open flame.

Hazardous Combustion Products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Extinguishing Media

Dry chemical, foam, carbon dioxide.

Fire Fighting Equipment/Instructions

Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing.
Fire fighters should avoid inhaling any combustion products.

NFPA Ratings: Health: 1 Fire: 4 Reactivity: 0 Other: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Contain the discharged material. Remove sources of ignition.

Clean-Up Procedures

Wear appropriate protective equipment and clothing during clean-up. Absorb spill with inert material.
Shovel material into appropriate container for disposal.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away. In case of large spills, follow all facility emergency response procedures.

Special Procedures

Wear appropriate personal protective equipment.

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid getting this material into contact with your skin and eyes. Wash thoroughly after handling. Use this product with adequate ventilation. Keep container closed.

Storage Procedures

Do not store this material in open or unlabeled containers. Store this product in air-tight containers away from sources of heat and light.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

Heptane (n-) (142-82-5)

ACGIH: 400 ppm TWA
500 ppm STEL
OSHA: 400 ppm TWA; 1600 mg/m³ TWA
500 ppm STEL; 2000 mg/m³ STEL
NIOSH: 85 ppm TWA; 350 mg/m³ TWA



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440 ppm Ceiling (15 min); 1800 mg/m³ Ceiling (15 min)

Acetone (67-64-1)

ACGIH: 500 ppm TWA
750 ppm STEL
OSHA: 750 ppm TWA; 1800 mg/m³ TWA
1000 ppm STEL; 2400 mg/m³ STEL (The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors)
NIOSH: 250 ppm TWA; 590 mg/m³ TWA

B: Canadian Provincial Exposure Limits

Heptane (n-) (142-82-5)

Alberta: 400 ppm TWA; 1640 mg/m³ TWA
500 ppm STEL; 2050 mg/m³ STEL
British Columbia: 400 ppm TWA
Manitoba: 400 ppm TWA
500 ppm STEL
New Brunswick: 400 ppm TWA; 1640 mg/m³ TWA
500 ppm STEL; 2050 mg/m³ STEL
NW Territories: 400 ppm TWA; 1640 mg/m³ TWA
500 ppm STEL; 2049 mg/m³ STEL
Nova Scotia: 400 ppm TWA
500 ppm STEL
Nunavut: 400 ppm TWA; 1640 mg/m³ TWA
500 ppm STEL; 2049 mg/m³ STEL
Ontario: 400 ppm TWAEV; 1635 mg/m³ TWAEV
500 ppm STEV; 2045 mg/m³ STEV
Quebec: 500 ppm STEV; 2050 mg/m³ STEV
400 ppm TWAEV; 1640 mg/m³ TWAEV
Saskatchewan: 1640 mg/m³ TWA; 400 ppm TWA
2050 mg/m³ STEL; 500 ppm STEL
Yukon: 400 ppm TWA; 1600 mg/m³ TWA
500 ppm STEL; 2000 mg/m³ STEL

Acetone (67-64-1)

Alberta: 750 ppm TWA; 1800 mg/m³ TWA
1000 ppm STEL; 2400 mg/m³ STEL
British Columbia: 250 ppm TWA
Manitoba: 500 ppm TWA
750 ppm STEL
New Brunswick: 500 ppm TWA; 1188 mg/m³ TWA
750 ppm STEL; 1782 mg/m³ STEL
NW Territories: 1000 ppm TWA; 2370 mg/m³ TWA
1250 ppm STEL; 2970 mg/m³ STEL
Nova Scotia: 500 ppm TWA
750 ppm STEL
Nunavut: 1000 ppm TWA; 2370 mg/m³ TWA
1250 ppm STEL; 2970 mg/m³ STEL
Ontario: 500 ppm TWAEV
750 ppm STEV
Quebec: 1000 ppm STEV; 2380 mg/m³ STEV
500 ppm TWAEV; 1190 mg/m³ TWAEV
Saskatchewan: 1780 mg/m³ TWA; 750 ppm TWA
2380 mg/m³ STEL; 1000 ppm STEL
Yukon: 1000 ppm TWA; 2400 mg/m³ TWA
1250 ppm STEL; 3000 mg/m³ STEL



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Engineering Controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses; chemical goggles (if splashing is possible).

Personal Protective Equipment: Skin

Use appropriate hand protection.

Personal Protective Equipment: Respiratory

Use NIOSH approved respirator with cartridge, air line, or SCBA as appropriate based on workplace exposure evaluations.

Personal Protective Equipment: General

Use good industrial hygiene practices in handling this material.

* * * Section 9 - Physical & Chemical Properties * * *

Appearance: Creamy White	Odor: Solvent
Physical State: Liquid	Flash Point: Not Determined
Flash Point Method: Not Available	Boiling Point: Not Determined
Melting Point: Not Determined	Specific Gravity: 0.6
Bulk Density: 5.007 lbs/gal	Solubility (H2O): Negligible
Vapor Pressure: 60-70 PSIG	Vapor Density: Heavier Than Air
Percent Volatile: 81.09%	Volatile Organic Content: 4.06 lbs/gal
Auto Ignition: Not Available	Lower Flammability Limit: Not Available
Upper Flammability Limit: Not Available	pH: Not Available

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Keep away from heat, ignition sources and incompatible materials. Avoid strong oxidizing agents.

Incompatibility

This product may react with oxidizing agents. Strong oxidizing agents (peroxides, chlorine, strong acids).

Hazardous Decomposition

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Possibility of Hazardous Reactions

Will not occur.

* * * Section 11 - Toxicological Information * * *

Acute Dose Effects

A: General Product Information

An LD50 value for this product has not been determined.

B: Component Analysis - LD50/LC50

Heptane (n-) (142-82-5)



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Inhalation LC50 Rat: 103 g/m³/4H

Acetone (67-64-1)

Inhalation LC50 Rat: 76 mg/L/4H; Oral LD50 Rat: 1800 mg/kg; Dermal LD50 Rabbit: 20000 mg/kg

Carcinogenicity

A: General Product Information

No carcinogenicity data available for this product.

B: Component Carcinogenicity

Acetone (67-64-1)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

***** Section 12 - Ecological Information *****

Ecotoxicity

No information available for the product.

***** Section 13 - Disposal Considerations *****

Waste Disposal Instructions

Dispose of in accordance with all applicable Federal, State, Provincial, and local regulations.

***** Section 14 - Transportation Information *****

US DOT Information

Shipping Name: Consumer Commodity, ORM-D

IMDG Information

Shipping Name: Aerosols, Flammable

UN #: 1950 **Hazard Class:** 2.1

Required Label(s): Limited Quantity

IATA Information

Shipping Name: Aerosols, Flammable

UN #: 1950 **Hazard Class:** 2.1

Required Label(s): Limited Quantity

***** Section 15 - Regulatory Information *****

US Federal Regulations

Components of this product have been checked against the non-confidential TSCA inventory by CAS Registry Number. Components not identified on this non-confidential inventory are exempt from listing (i.e. as polymers) or are listed on the confidential inventory as declared by the supplier.

A: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Acetone (67-64-1)

CERCLA: 5000 lb final RQ; 2270 kg final RQ

B: Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Heptane (n-)	142-82-5	Yes	DSL	EINECS



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Petroleum gases, liquified, sweetened	68476-86-8	Yes	DSL	EINECS
Acetone	67-64-1	Yes	DSL	EINECS

State Regulations

Other state regulations may apply. Check individual state requirements.

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Heptane (n-)	142-82-5	Yes	Yes	Yes	Yes	Yes	Yes
Acetone	67-64-1	Yes	Yes	Yes	Yes	Yes	Yes

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Heptane (n-)	142-82-5	1 %
Acetone	67-64-1	1 %

* * * Section 16 - Other Information * * *

Other Information

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use. You must notify each person to whom this mixture or trade name product is sold. This statement must not be detached. Any copy or redistribution of the Material Safety Data Sheet shall include this statement.

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; CAS = Chemical Abstract Services; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations; CPR = Controlled Product Regulations; DOT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EPA = Environmental Protection Agency; HMIS = Hazardous Materials Information System; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; IDL = Ingredient Disclosure List; IMDG = International Maritime Dangerous Goods; LC50 = Lethal Concentration 50%; LD50 = Lethal Dose 50%; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Agency; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; SARA = Superfund Amendments and Reauthorization Act; SCBA = Self Contained Breathing Apparatus; TSCA = Toxic Substance Control Act; WHMIS = Workplace Hazardous Materials Information System.

Contact: Kolin Anglin, Environmental Coordinator

Contact Phone: 316-265-2686

End of MSDS 480