



WHITE LITHIUM GREASE

SAFETY DATA SHEET

According to Canada's Hazardous Products Regulations (HPR) SOR/2015-17

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	WHITE LITHIUM GREASE
Product Code	16-LG, 16-LG-CND

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Lubricant
Uses Advised Against	None

Company Identification	The Blaster Corporation 8500 Sweet Valley Drive Valley View, Ohio 44125 USA www.blastercorp.com
Telephone	(800) 858-6605
Fax	(216) 901-5800

Emergency telephone number

Emergency Phone No.

Transportation Emergency: CHEMTEL 800-255-3924

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

HPR/WHIMIS 2015/GHS Classification

Flam. Aerosol 2; Asp. Tox. 1

Label elements

Hazard Symbol



DANGER

Signal Word(s)

Hazard Statement(s)

Flammable aerosol.

UNRECOGNISED PHRASE

May be fatal if swallowed and enters airways.

Precautionary Statement(s)

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.

Other hazards

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Intentional inhalation of gas from the container may be fatal.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt.	CAS No.	Hazard classification
Water	30 - 40	7732-18-5	Not classified as dangerous for supply/use.
Distillates (Petroleum), Hydrotreated Light	20 - 30	64742-47-8	Asp. Tox. 1; H304 Flam. Liq. 4; H227



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Propane	5 - 15	74-98-6	Flam. Gas 2; H221
n-Butane	5 - 15	106-97-8	Flam. Gas 2; H221
Distillates (Petroleum), Hydrotreated Heavy Naphthenic	10 - 20	64742-52-5	Asp. Tox. 1; H304
Sorbitan Oleate	1 - 2	1338-43-8	Not classified as dangerous for supply/use.
Zinc Oxide	<1	1314-13-2	Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Titanium Dioxide	<1	13463-67-7	Not classified as dangerous for supply/use.
Sodium Benzoate	<1	532-32-1	Eye Irrit. 2A; H319

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is laboured, administer oxygen. If symptoms develop, obtain medical attention. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin Contact	Not normally required. If skin irritation occurs: Get medical advice/attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
Ingestion	Unlikely to be required but if necessary treat symptomatically. Do not give anything by mouth to an unconscious person. Seek medical treatment.

Most important symptoms and effects, both acute and delayed IF SWALLOWED: Do not induce vomiting

Indication of any immediate medical attention and special treatment needed Not normally required.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

-Suitable Extinguishing Media Extinguish with carbon dioxide, dry chemical, foam or water spray.
-Unsuitable Extinguishing Media Do not use water jet.

Special hazards arising from the substance or mixture

Flammable vapour.

Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Take precautionary measures against static discharges. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.



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Environmental precautions	Prevent liquid entering sewers, basements and workpits.
Methods and material for containment and cleaning up	Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.
Reference to other sections	None
Additional Information	None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area only. Do not use in confined spaces.
Conditions for safe storage, including any incompatibilities	
-Storage temperature	Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F. Keep container tightly closed.
-Incompatible materials	This product should be stored away from sources of strong heat or oxidising chemicals.
Specific end use(s)	Lubricant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		OEL (Canada)	TLV (ACGIH)	OEL (Canada)	TLV (ACGIH)	
C ₉ -C ₁₅ Alkanes & Cycloalkanes	Mixture	-----	1200 mg/m ³	-----	-----	-----
n-Butane	106-97-8	800 ppm	250 ppm	-----	-----	-----
Propane	74-98-6	1000 ppm	Aspyx.#	-----	-----	#

*Assure minimum oxygen content of work atmosphere.

Recommended monitoring method NIOSH 1500 (hydrocarbons, B.P. 36 - 126 °C); NIOSH 1550 (Naphthas)

Exposure controls

Appropriate engineering controls Ensure adequate ventilation.

Personal protection equipment

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely (Nitrile rubber or Butyl rubber).

Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.



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Environmental Exposure Controls

None known

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Aerosol spray
Color	Colourless
Odour	Fuel oil-like.
Odour Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	-104 (-155 °F) - Propane
Evaporation Rate	Not available.
Flammability (solid, gas)	Flammable aerosol
Explosive Limit Ranges	2.1% - 9.5% v/v (Propane)
Vapour pressure (Pascal)	ca. 95 x 10 ⁴ (Propane)
Vapour Density (Air=1)	ca. 1.56 @ 0 °C (Propane)
Density (g/ml)	2.1% - 9.5% v/v (Propane)
Solubility (Water)	Not available.
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	<20 at 40°C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Other information	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Avoid contact with heat and ignition sources.
Incompatible materials	This product should be stored away from sources of strong heat or oxidising chemicals.
Hazardous decomposition product(s)	Carbon monoxide, Carbon dioxide, Acrid smoke

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Acute toxicity (calculated / estimated)	Oral: LD50 >5 g/kg-bw Dermal: LD50 >2 g/kg-bw Inhalation: LC50 >20 mg/l (Vapour), 4-hr. rat - May cause drowsiness or dizziness.
Irritation/Corrosivity	Repeated exposure may cause skin dryness or cracking.
Sensitisation	It is not a skin sensitizer.
Repeated dose toxicity	No data
Carcinogenicity	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.



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Mutagenicity
Reproductive toxicity

Not available.
Not available

SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity:

Zinc Oxide (CAS# 1314-13-2)

Short term

LOEC (96 hour): 180 µg/L (*Danio rerio*)
LC50 (96 hour): 1.793 mg/L (*Danio rerio*)
EC50 (48 hour): 1.7 mg/L (*Daphnia magna*, mortality)
NOEC (96 hour): 50 µg/L (*Pseudokirchnerella subcapitata*)

Long Term

NOEC (30 days) 26 µg/L (*Jordanella floridae*)
NOEC (21 days): 48 µg/L (*Daphnia magna*)
NOEL (96 hour) 50 µg/L (Algae)

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

	Land transport (TDG)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	1950	1950	1950
Proper Shipping Name	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
Transport hazard class(es)	2.1	2.1	2.1
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	None assigned	None assigned	None assigned
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

This product has been classified in accordance to CPR Section 12 and the MSDS contains all the information required by the CPR.

Canada (DSL/NDSL) - All chemicals listed.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: November 10, 2016

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)

- H221: Flammable gas.
- H227: Combustible liquid.
- H304: May be fatal if swallowed and enters airways.
- H319: Causes serious eye irritation.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.

Training advice: None.



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