

MSDS**Material Safety Data Sheet**
The Blaster Chemical Companies**LG – White Lithium Grease**

MSDS Number: LG - Aerosol

Revision Date: 18/02/2010

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1**PRODUCT AND COMPANY IDENTIFICATION**

Product Name: LG – White Lithium Grease
Revision Date: 18/02/2010
MSDS Number: LG - aerosol
Product Code: 16-LG

DISTRIBUTOR:

THE BLASTER GROUP PTY LTD
UNIT 30, 8 VICTORIA AVENUE
CASTLE HILL NSW 2154

24 HR. EMERGENCY TELEPHONE NUMBERS:

POISONS INFORMATION CENTRE

PHONE: **13 11 26**

EMERGENCY PHONE: 02 9894 7360
CUSTOMER SERVICE: 02 9894 7360

2**COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredients	CAS #	Percent	Exposure Limits
Liquefied Petroleum Gas	68476-86-8 1	5-25%	OSHA (PEL) 1000 ppm ACGIH TLV 1000 ppm
Mineral Oil	64742-52	25-30%	OSHA TVL Oil mist 5mg/m3
Lithium Thickener	4485-12-5	0-3%	OSHA TVL Oil Mist 5mg/m3
Light Distillate	64742-47-8-8	15-20%	Recommended TWA 100 ppm
Heptane	142-82-5	20-25%	ACGIH (TWA) 400 ppm OSHA (PEL) 500 ppm
Zinc Oxide	1314-13-2	0-4%	Not available

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3**HAZARDS IDENTIFICATION**

- Route of Entry:** Eyes, skin, inhalation, ingestion
- Target Organs:** Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild reversible kidney effects, effects on hearing, and central nervous system damage
- Inhalation:** Inhalation of vapors or spray mist may cause headaches and/or nose and throat irritation.
- Skin Contact:** Repeated or prolonged contact with skin may produce redness, irritation and/or dryness. May cause or aggravate dermatitis or other existing skin condition.
- Eye Contact:** May cause immediate or delayed irritation. Irritation will show up as redness and/or swelling. May cause corneal damage.
- Ingestion:** Ingestion may cause irritation to the mouth, esophagus and/or stomach.
- Signs of Overexposure:** Irritation of eyes, nose, throat, digestive tract.
- Pre-existing Conditions Aggravated:** Skin and respiratory disorders. Alcoholism, kidney, liver, cardiovascular and nervous system.

CAUTION! CONTENTS UNDER PRESSURE EXTREMELY FLAMMABLE

Odor/Appearance: White to brownish spray as dispensed from aerosol can.

4**FIRST AID MEASURES**

- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Continue to monitor. Get medical attention.
- Skin Contact:** Remove contaminated clothing immediately! Wash skin with soap and water. If irritation develops, seek medical attention.
- Eye Contact:** Flush eye(s) with water for 15 minutes. Get medical attention. If eye irritation persists, obtain medical treatment.
- Ingestion:** Immediately give the person two large glasses of water. Do not induce vomiting. Get medical attention immediately. **DO NOT GIVE AN UNCONSCIOUS OR CONVULSING PERSON ANYTHING BY MOUTH!**

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FIRE FIGHTING MEASURES

Flash point: <17° C *

Extinguishing Media: Dry chemical, carbon dioxide or foam is recommended. Water spray may be used to cool containers or structures.

General Fire and Explosion Hazards: This material may be ignited by heat, sparks (static electricity), flame or other ignition sources. Vapors are heavier than air and will collect in low areas (sewers) and can travel considerable distances. If containers are not cooled in a fire, they may explode.

Fire Fighting Procedures: Emergency responders should wear self-contained breathing apparatus. Wear other protective gear as conditions warrant. Keep unauthorized people out. Try to contain spills or leaks if it can be done safely. Material will float on water. Avoid spreading.

Unusual Fire & Explosion Hazards: Level 3 Aerosols - Contents Under Pressure!

Special Fire Fighting Procedures:

At elevated temperatures (over 55° C) aerosol container may burst, vent or rupture; use equipment or shielding to protect personnel. Cooling exposed containers with streams of water may be helpful. Emergency responders should wear self-contained breathing apparatus. Wear other protective gear as conditions warrant. Keep unauthorized people out and try to contain spills or leaks if it can be done safely. Material will float on water, avoid spreading the fire.

The LEL/UEL of this product have not been determined.

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ACCIDENTAL RELEASE MEASURES

Leaking aerosol cans should be put into suitable container until the internal pressure has dissipated. Use suitable absorbents to collect liquid product. Consult regulations for the disposal of the container, liquid and absorbents.

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7**HANDLING AND STORAGE****Handling Precautions:**

Do not puncture or burst. Use in accordance with good work place practices. Use with adequate ventilation, Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing. Empty containers may contain residues from the product. Treat empty containers with the same precautions as the material last contained. Do not cut, weld or apply heat to empty containers. Do not incinerate.

Storage Requirements:

Store in a dry place away from excessive heat. Store containers with lids on and properly labelled.

Do not store at temperatures above 50° C.

8**EXPOSURE CONTROLS/PERSONAL PROTECTION****Engineering Controls:**

Eye wash stations and emergency showers should be immediately available.

Protective Equipment:

Eyes and Face: Standard safety glasses with splash shields typically offer adequate protection. Where excessive splashing or spraying is possible, a face shield should be used.

Skin and clothing: Excessive contact should be avoided. Nitrile gloves, boots and aprons will provide adequate protection when contact cannot be avoided. Remove and wash any contaminated clothing immediately. Wash thoroughly after handling.

Respiratory: Good general ventilation should be sufficient to control airborne levels. Maintain airborne concentrations below OSHA established exposure limits of ingredients in Section 2.

Exposure Guidelines/Other:

The Blaster Chemical Companies takes no responsibility for determining what measures are required for personal protection in any specific application. This information should be used with discretion.

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9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	white cream coloured grease	Boiling Point:	not determined
Physical State:	aerosol	Freezing/Melting Pt.:	not determined
Odor:	typical petroleum	Solubility:	Emulsifies
pH:	not determined	Spec Grav./Density:	<1 (water = 1)
Vapor Pressure:	not determined		
Vapor Density:	>1 (air = 1)		

Heat Value:	not determined
VOC:	not determined
Evap. Rate:	>1 (ether = 1)
Bulk Density:	not determined
Octanol:	not determined
Molecular Weight:	not determined
Particle Size:	not applicable
Softening Point:	not applicable
Viscosity:	not determined
Percent Volatile:	not determined
Sat. Vap. Concentrat.:	Not determined
Molecular Formula:	not determined

10**STABILITY AND REACTIVITY**

Stability:	This product is stable.
Conditions to avoid:	Avoid excessive heat, sources of ignition and excessive water.
Materials to avoid (incompatibility):	Avoid strong oxidizers.
Hazardous Decomposition products:	Carbon monoxide, carbon dioxide, and various hydrocarbons.
Hazardous Polymerization:	Will not occur.

11**TOXICOLOGICAL INFORMATION****Acute oral toxicity**

n-HEPTANE LD 50 Rat: > 15,000 mg/kg
 Light Distillate LD50 Rat >5,000 mg/kg

Acute inhalation toxicity

n-HEPTANE LC 50 Rat: 103 g/m3, 4 h
 Light Distillate LC 50 >6.8 n

Acute dermal toxicity

n-HEPTANE LD 50 Rabbit: > 2,001 mg/kg
 Light Distillate LD 50 Rabbit >2,000-4,000 n

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12**ECOLOGICAL INFORMATION**

Ecological information on this product as a mixture has not been determined.

13**DISPOSAL CONSIDERATIONS**

Used or unused product should be disposed of in accordance with local, state, and federal regulations. Some special regulations may exist for the disposal of aerosol containers.

Empty containers may contain residual pressure and contents. They should be handled with the same precautions as the product.

14**TRANSPORT INFORMATION****Dept. of Transportation (DOT):**

This product, as it leaves Blaster's facilities, meets the definitions set forth in CFR 49 part 173.150c as a "consumer commodity." Allowing for certain exceptions (173.156) for domestic surface (ground) shipments.

Proper shipping name:	Consumer Commodity
Hazard class:	ORM-D

International (IMDT-IATA):

Proper shipping name:	Aerosols, Limited Quantities
Hazard class:	2 Flammable Compressed Gas
UN Number:	1950

15**REGULATORY INFORMATION****SARA 311/312:**

Immediate (x) Delayed () Fire (x) Reactive () Sudden Release of Pressure (x)

Section 31:

This product contains:

Zinc Oxide 13143-13-2 <4%

N-Heptane 142-82-2 20-25%

California Prop 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm under the statute: Toluene

California Prc: This product contains the following ingredients for which the State of California has found to cause cancer which would require Benzene

All the chemicals used in this product are TSCA listed.

Check with your local regulators to be sure all local regulations are met.

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OTHER INFORMATION

Manufacturer's Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither The Blaster Chemical Companies nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

HMIS Ratings:

Health:	1
Fire:	4
Reactivity:	0

END OF MSDS DOCUMENT