

B2

Pioneer White Lithium Grease

1. Product & Company Identification

Product Details

Product name: B2 Pioneer White Lithium Grease
Physical form: Aerosol
Odour: Solvent Odour
CAS No.: Mixture
Flammability: Highly Flammable

Company Details

Manufacturer: Mohm Chemical Sdn Bhd
Address: No. 32, Jalan Temenggong, Off Jalan Tampoi,
 81100 Johor Bahru, Johor, Malaysia.
Tel: + 60-7-3331222
Fax: + 60-7-3320545/ + 60-7-3337919

2. Hazards Identification

Hazard Pictogram



Signal Word: Danger

Classification

FLAMMABLE AEROSOLS - Category 1
GASES UNDER PRESSURE - Liquefied gas
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
CARCINOGENICITY - Category 2
TOXIC TO REPRODUCTION (Fertility) - Category 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
ASPIRATION HAZARD - Category 1
Hazardous to the aquatic environment, acute hazard – Category 3
Hazardous to the aquatic environment, long-term hazard – Category 3

Hazard Statement

H222 - Extremely flammable aerosol.
H280 - Contains gas under pressure; may explode if heated.



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H315 - Causes skin irritation.
 H361f - Suspected of damaging fertility.
 H351 - Suspected of causing cancer.
 H305 - May be fatal if swallowed and enters airways.
 H336 - May cause drowsiness or dizziness.
 H370 - May cause damage to organs through prolonged or repeated exposure.
 H412 - Harmful to aquatic life with long lasting effects

Precautionary Statement – Prevention

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
 P211 Do not spray on an open flame or other ignition source.
 P251 Pressurized container: Do not pierce or burn, even after use.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P264 Wash hands thoroughly after handling.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement – Response

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P331 - Do NOT induce vomiting.
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
 P332 + P313 - If skin irritation occurs: Get medical advice/attention.
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
 P308 + P313 IF exposed or concerned: Get medical advice/attention.
 P361 Remove/Take off immediately all contaminated clothing.

Precautionary Statement – Storage

P405 – Store locked up.
 P403 + P235 - Store in a well-ventilated place. Keep cool.
 P410 - Protect from sunlight.
 P412 Do not expose to temperatures exceeding 50 °C/ 122 °F.

Precautionary Statement – Disposal

P501 - Dispose of contents/container in accordance with regulations made under the control of Pollution & Environmental Protection Acts.

3. Composition / Hazardous Components

<u>Chemical Name</u>	<u>CAS No.</u>	<u>WT%</u>
Liquified Petroleum Gas	64742-47-8	40 - 70%
Base Oil	-	10 - 20%
Lithium Soap Thickener	-	10 - 15%
Calcium bis(dinonylnaphthalenesulphonate)	57855-77-3	<0.5%

4. First-aid Measures



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In case of inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
In case of ingestion:	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Aspiration hazard if swallowed. Can enter lungs and cause damage. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
In case of skin contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse
In case of eyes contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

5. Fire Fighting Measures

Flammability:	Highly Flammable.
Suitable extinguishing media:	Water Fog, Foam, Dry chemical powder, Carbon dioxide(CO ₂)
Unsuitable extinguishing media:	None known
Hazardous decomposition:	carbon dioxide, carbon monoxide, metal oxide/oxides

6. Accidental release measures

Small spill :	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill :	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.



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7. Handling and Storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Do not breathe dust/fume/gas /mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. For product usage instructions, please see the product label.

Conditions for safe storage, including any incompatibilities

Level 3 Aerosol.
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure control / Personal protection

Appropriate engineering controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

General ventilation:

Recommended

Hand protection:

Suitable protective gloves

Eye protection:

Safety/protective glasses.

Respiratory Protection:

Use engineering control to maintain adequate ventilation and avoid oil mist. If engineering controls do not maintain airborne contaminant concentration at a level which is adequate to protect worker health, an approved respirator may be appropriate. Recommend wearing purifying



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dust or most particulate air-purifying respirators or self-contained breathing apparatus.

9. Physical and Chemical Properties

Form:	Aerosol
Specific Gravity:	0.68 ± 0.02
Colour:	Off-White
Odour:	Solvent
Percentage Volatile (volume):	70% estimated
Solubility in water:	Non
Boiling point:	118.4 °F (48 °C) estimated
Flash Point:	<0 °F (< -17.8 °F) Tag Closed Cup 437 °F (225 °C)

Note: the above information is not intended for use in preparing specification

10. Stability and Reactivity

Chemical stability:	Stable under normal condition
Conditions to be avoided:	Heat, flames, sparks. Contact with incompatible materials
Incompatible materials	Strong oxidizing agents. Chlorine
Dangerous reactions:	Combustion
Dangerous products of decomposition:	Carbon dioxide

11. Toxicological Information

Acute toxicity:	May be fatal if swallowed and enters airways. Narcotic effects.
On the skin:	May irritant for skin.
On the eye:	May cause temporary irritant effect.
Additional Toxicological information:	May cause drowsiness and dizziness. Headache, Nausea, vomiting. Aspiration may cause pulmonary edema, Skin irritation. May cause redness and pain.

12. Ecological Information

Complete information not yet available.

14. Transport Information

UN number	UN1950
UN proper shipping name	Aerosols, flammable, Limited Quantity
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable



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Special precautions for user	Read safety instructions, SDS, emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None
IATA	
UN number	UN1950
UN proper shipping name	Aerosols, flammable, Limited Quantity
Class	2.1
Transport hazard class(es)	
Subsidiary risk	-
Packing group	Not applicable.
Environmental hazards	No.
ERG Code	10L
Special precautions for user	Read safety instructions, SDS, emergency procedures before handling.
Passenger and cargo aircraft	Allowed.
Other information	
Cargo aircraft only	Allowed.
IMDG	
UN number	UN1950
UN proper shipping name	AEROSOLS, LIMITED QUANTITY
Class	2
Transport hazard class(es)	
Subsidiary risk	-
Packing group	Not applicable.
Marine pollutant	No.
Environmental hazards	
EmS	Not available.
Special precautions for user	Read safety instructions, SDS, emergency procedures before handling.

15. Regulatory Information

Complete information not yet available.

16. Other Information

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use and determine whether they are appropriate.

*** End Of SDS ***

