

B2 PIONEER WHITE LITHIUM GREASE

1. Product & Company Identification

Product Details

Product name: B2 Pioneer White Lithium Grease
Physical form: Paste
Odour: Characteristic
CAS No.: Mixture
Flammability: N/A

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

Not classified as hazardous

Signal Word: NONE. Not hazardous

Classification

Not classified as hazardous

Hazard Statement

Not classified as hazardous

Precautionary Statement – Prevention

P262: Do not get in eyes, on skin, or on clothing.
P264: Wash contacted areas thoroughly after handling.
P281: Use personal protective equipment as required

Precautionary Statement – Response

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P308+P313: If exposed or concerned: Get medical advice.
P370+P378: In case of fire, use carbon dioxide, dry chemical, foam, dry sand.

Precautionary Statement – Storage

P410: Protect from sunlight.
P402+P404: Store in a dry place. Store in a closed container.
P403+P235: Store in a well-ventilated place. Keep cool.

Precautionary Statement – Disposal

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



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3. Composition / Hazardous Components

<u>Chemical Name</u>	<u>CAS No.</u>	<u>WT%</u>
Base oil	101316-72-7	≥77%
Lithium Soap Thickener 、 Calcium Soap Thickener	-	≤23

4. First-aid Measures

In case of inhalation:	At ambient/normal handling temperatures, minimal or no irritation due to inhalation of vapor/mist is expected.
In case of ingestion:	First aid is normally not required. Seek medical attention if discomfort occurs.
In case of skin contact:	Wash contact areas with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.
In case of eyes contact:	Flush thoroughly with water. If irritation occurs, get medical assistance.

5. Fire Fighting Measures

Flammability:	Flammable.
Suitable extinguishing media:	Foam, Dry chemical powder, Carbon dioxide(CO ₂)
Unsuitable extinguishing media:	Straight Streams of Water
Hazardous decomposition:	carbon dioxide, carbon monoxide, metal oxide/oxides

6. Accidental release measures

Personal Precaution:	Using suitable protective equipment. In case of large spillage, using suitable protective clothing, such as overall, gloves and boots in cleaning procedure.
Environmental Cautions:	Remove contaminated clothes as soon as possible. Prevent spill to enter and spread to drain, water resource and soil. Contact local environment protection authorities.
Cleaning Method:	Land Spill: Allow spilled material to solidify and scrape up with shovels into a suitable container for recycle or disposal. Water Spill: Confine the spill immediately with booms. Stop leak if you can do it without risk. Skim from surface.

7. Handling and Storage

Handling	Prevent small spills and leakage to avoid slip hazard.
Static Accumulator:	This material is not a static accumulator.
Storage:	Do not store in open or unlabelled containers



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

9. Physical and Chemical Properties

Form:	Buttery Paste
Specific Gravity:	0.88-0.99g/cm ³
Colour:	white,
Odour:	Characteristic
Solubility in water:	Non
Dropping Point	>180°C
Flash Point: Not suitable	Not applicable
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 avoid:	Heat, flames, sparks. Contact with incompatible materials
Incompatible materials	Strong oxidizing agents. Chlorine
Dangerous reactions:	Combustion
Dangerous products of decomposition:	Carbon dioxide



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11. Toxicological Information

Route of Exposure	Conclusion / Remarks
Inhalation	
Toxicity (Rat): LC50 > 5000 mg/m ³ .	Minimally Toxic. Based on assessment of the components.
Irritation: No end point data.	Not determined.
Ingestion	
Toxicity (Rat): LD50 > 2000 mg/kg.	Minimally Toxic. Based on test data for structurally similar materials.
Skin	
Toxicity (Rabbit): LD50 > 2000 mg/kg.	Minimally Toxic. Based on test data for structurally similar materials.
Irritation (Rabbit): Data available.	Negligible irritation to skin at ambient temperatures. Based on assessment of the components.
Eye	
Irritation (Rabbit): Data available.	May cause mild, short-lasting discomfort to eyes. Based on assessment of the components.

12. Ecological Information

Summary:	The information given is based on data available for the material, the components of the material, and similar materials.
Mobility:	Base oil component -- Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.
Persistence /degradability:	Biodegradation: Base oil component -- Expected to be inherently biodegradable
Bio-accumulation:	Base oil component -- Has the potential to bioaccumulation, however metabolism or physical properties may reduce the bioaccumulation or limit bioavailability.

13. Disposal considerations

Dispose the waste matters and contaminated packaging following law, rules and regulations.
 Dispose to an authorised waste collection point.
 Do not cast waste (waste fluid, solid waste and washing drainage etc.) that includes this product directly into a river, or bury it underground.

14. Transport Information

LAND (DOT) : Not Regulated for Land Transport.
 LAND (TDG) : Not Regulated for Land Transport.
 SEA (IMDG) : Not Regulated for Sea Transport according to IMDG-Code.
 AIR (IATA) : Not Regulated for Air Transport.

15. Regulatory Information

Classified according to European directives on classification of hazardous substances and preparations, not classified as hazardous. No statutory label required.
 All components of this material are listed on the EPA/TSCA Inventory of Chemical Substances.



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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 ***

