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<b>P-611 HIGH TEMPERATURE BEARING GREASE(LITHIUM MP)</b>	Revised edition no : 02
	Effective Date: 10.1.2021

## 1 Identification of the Product and the company

Chemical Name : High Temperature Bearing Grease (Lithium MP)  
Type of product chemical family : Petroleum Grease  
Use : Lubrication  
Distributor : TLC-KOYA Chemicals Manufacturing Sdn Bhd  
No.22 & 23, Jalan Maju 1,  
Cemerlang Industrial Estate,  
81800 Ulu Tiram, Johor, Malaysia.  
Tel: 607-8675798 Fax: 607-8675799  
Website: www.koyachemicals.com Email: admin@koyachemicals.com

Emergency phone nr : See distributor

## 2 Hazard Identification

Pictogram  
Signal Word **Danger**  
Serious eye damage or eye irritation Category 1  
Acute Toxicity (Oral) Category 4  
Skin Irritation Category 2  
Specific target organ toxicity-single exposure Category 3  
Carcinogenicity Category 1B



### Hazard statement

H302 Harmful if swallowed  
H315 Causes skin irritation  
H318 Causes serious eye damage  
H335 May cause respiratory irritation  
H350 May cause cancer

### Precautionary Statement

P201 obtain special instruction before use  
P202 do not handle until all safety precautions have been read and understood  
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.  
P264 Wash thoroughly after handling.  
P270 do not eat, drink, or smoke when using this products  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P281 use personal protective equipment as required.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned : Get medical advice/attention.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P312 call a POISON CENTER or doctor/physician if you feel unwell.  
P321 Specific treatment reference to supplemental first aid instruction.

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P330 Rinse mouth  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulation

**3 Composition / Information on Ingredients**

Composition		%
CAS No.: 8002-05-9	Lubricant base	68
EC/List No.: 232-298-5	Carc.1B - H350	
CAS No.: 106-14-9	12-hydroxystearic acid	9
EC/List No.: 203-366-1		
CAS No.: 1305-62-0	Calcium dihydroxide	9
EC/List No.: 215-137-3	Eye dam.1- H318  Skin Irrit.2 - H315. stot se.3 - H335	
CAS No.: 471-34-1	Calcium carbonate	7
EC/List No.: 207-439-9		
CAS No.: 4111-20-6	Sebacic acid	5
EC/List No.: 203-845-5		
CAS No.: 1310-66-3	Lithium hydroxide	2
EC/List No.: 215-183-4	Skin Corr.1B - H314, Eye Dam.1-H318;  Acute Tox.4-H302	

**4 First Aid Measures**

General advice If symptoms persist, call a physician.  
After inhalation If breathed in, move person into fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.  
After skin contact Wash off with soap and plenty of water. If symptoms persist, call a physician.  
After eye contact Flush eyes with water as a precaution. Consult a physician.  
After swallowing Rinse mouth with water. Consult a physician.  
Most important symptoms and effects, both acute and delayed.  
No further relevant information available.  
Indication of any immediate medical attention and special treatment needed.  
No further relevant information available.

**5 Fire-Fighting Measures**

**Extinguishing media**

Suitable extinguishing agents Carbon dioxide, extinguishing powder, water spray or foam.  
Unsuitable extinguishing media No further relevant information available.  
Special hazards arising from the substance or mixture.  
No further relevant information available.

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**Advice for firefighters**

Firefighting instructions  
Protective equipment

Exercise caution when fighting any chemical fire.  
Wear self-contained breathing apparatus for fire fighting if necessary.

**6 Accidental Release measures**

Personal precautions, protective equipment and emergency procedures  
Use personal protective equipment as required.

Environment precautions Do not allow to enter sewers / surface water. Should not be released into the environment.

Methods and material for containment and clean up  
Contain spillage, and then place in container for disposal according to local regulations.

Reference to other sections  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7 Handling and Storage****Handling****Precautions for safe handling**

Avoid ingestion and inhalation. Avoid contact with eyes and skin. Wash hands before breaks and immediately after handling the product.

**Information about protection against fires and explosion**

Normal measures for preventive fire protection.

**Conditions for safe storage, including any incompatibilities****Requirements to be met by storerooms and receptacles**

No special requirements.

**Information about storage in one common storage facility**

Store in a dry, cool and well-ventilated place.

**Further information about storage conditions**

Keep container tightly closed.

**Specific end use(s)**

Apart from the uses mentioned in Section 1. no other specific uses are stipulated.

**8 Exposure controls / personal protection**

Additional information about design of technical facilities: No further data; see section 7.

**Control parameters****Ingredients with limit values that require monitoring at the workplace:**

CAS No.: 1305-62-0 EC/List No.: 215-137-3	France: TWA / VME: 5 mg/m <sup>3</sup>
CAS No.: 471-34-1 EC/List No.: 207-439-9	France: TWA / VME :10 mg/m <sup>3</sup>
CAS No.: 111-20-6 EC/List No.: 203-845-5	Latvia: TWA: 4mg/m <sup>3</sup>

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**DNELs:** No information available.

**PNECs:** No information available.

**Additional information:**

The lists that were valid during the creation were used as basis.

**Exposure controls**

Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure. Appropriate engineering controls

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

General protective and hygienic measures.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Breathing protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly.

**hand protection**

Handle with gloves.

**Eye protection**

use equipment for eye protection tested and approved under appropriate government standards.

**Skin and body protection**

protective clothing.

**Environment exposure controls**

Control measures must be made in accordance with community environment protection legislation.

**9 Physical and chemical properties**

**Appearance**

Form	Semi -solid
Colour	Yellow
Odor	Pungent
Ph-value	< 7
Boiling point	> 200 °C
Flash point (closed cup)	> 170 °C
Self-igniting temperature	Product is not selfigniting.
Explosive properties	Product does not present an explosion hazard.
Oxidizing properties	The substance does not belong to oxidizing substances.
Solubility in / Miscibility with water	Insoluble in water

**10 Stabiity and reactivity**

Reactivity	Stable under normal conditions.
Chemicals stability	Stable at normal temperatures and storage conditions.
Possibility of hazardous reactions	None under normal processing.
Incompatible materials	strong oxidizig agents.

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#### 11 Toxicological information

##### Acute toxicity

Composition	Route of exposure	Type of test	Species observed	Dose/duration
CAS No.: 8002-05-9 EC/List No.: 232-298-5	No data available			
CAS No.: 106-14-9 EC/List No.: 203-366-1	No data available			
CAS No.: 1305-62-0 EC/List No.: 215-137-3	Oral	LD50	Rat	7340 mg/kg
CAS No.: 471-34-1 EC/List No.: 207-439-9	Oral	LD50	Rat	6450 mg/kg
CAS No.: 111-20-6 EC/List No.: 203-845-5	Oral Dermal	LD50 LD50	Rat Rabbit	3400 mg/kg > 2000 mg/kg
CAS No.: 1310-66-3 EC/List No.: 215-183-4	No data available			

##### Primary irritant effect

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Carcinogenicity	Category 1B
Specific target organ toxicity - single exposure	Category 3

#### 12 Ecological information

##### Toxicity

##### Aquatic toxicity

No data is available for the product. Component data is listed below:

Composition	
CAS No.: 1305-62-0 EC/List No.: 215-137-3	LC 50: 160 mg/L/96h. Static (Gambusia affinis)
CAS No.: 471-34-1 EC/List No.: 207-439-9	LC50: >56 g/L/96h. Freshwater fish
CAS No.: 111-20-6 EC/List No.: 203-845-5	LC50: >100 mg/L/96h/ Brachydanania rerio EC50: >100 mg/L/48h. Water Flea

##### Mobility in soil

Composition	
CAS No.: 111-20-6 EC/List No.: 203-845-5	log Pow : 1.5

#### 13 Disposal Considerations

##### Waste treatment methods

##### Recommendation - Product

Follow all local, state, and federal regulations for disposal of waste chemicals.

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Recommendation - Uncleaned packaging

Follow all local, state, and federal regulations for disposal of waste chemicals.

**14 Transport information**

UN-Number

ADNR/ADR-RID Not restricted (Non-hazardous for transportation)

IMDG/IMO Not restricted (Non-hazardous for transportation)

Remark: Not subject to the IMDG Code (Amdt 38-16)

IATA/ICAO Not restricted (Non-hazardous for transportation)

Remark: Not subject to IATA DGR (59<sup>TH</sup>.2018)

UN proper shipping name

ADNR/ADR-RID Not regulated

IMDG/IMO Not regulated

IATA/ICAO Not regulated

Transport hazard class(es)

ADNR/ADR-RID Not regulated

IMDG/IMO Not regulated

IATA/ICAO Not regulated

Transport hazard subclass

ADNR/ADR-RID Not regulated

IMDG/IMO Not regulated

IATA/ICAO Not regulated

Packing group

ADNR/ADR-RID Not regulated

IMDG/IMO Not regulated

IATA/ICAO Not regulated

Environmental hazards

Marine pollutant No

Special precautions for user No special precautions required.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable, packaged goods.

**15 Regulatory Information**

**Safety, health and environmental regulations/legislations specific for the substance or mixture.**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemicals agent at work.

Take note of Directive 94/33/EC on the protection of young people at work.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work.

**National regulations**

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**SVHC Candidate List of REACH Regulation Annex XIV Authorisation**

None of ingredients is listed

**REACH Regulation Annex XIV Authorization List**

None of ingredients is listed

**Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**16 Other information**

Further information : None  
Print date : 10.1.2021

N/A - Not Applicable      N/D - Not Determined

All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from data or test results obtained by us, are based on the current state of our knowledge at the time such recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding such recommendations, the user is responsible to determine that the product as supplied by us, is suitable for the process or purpose he intends to use it. The user of the product is solely for compliance with all laws and regulation applying to the use of the product. Since we cannot control the application, use or processing of the products, we do not accept responsibility therefore. The user shall ensure that the intended use of the products will not infringe in any party's intellectual property rights.

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