

**MATERIAL SAFETY DATA SHEET**

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**P-828**

Revised edition no : 00

**CALCIUM GREASE**

Effective Date: 11-2-2014

**1 Identification of the Product and the company**

Chemical Name : P-828 CALCIUM GREASE  
Type of product chemical family : Petroleum Grease  
Use : lubrication  
Producer : 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 producer

**2 Hazard Identification**

Health hazardous : N/A

**3 Composition / Information on Ingredients**

Hazardous ingredients : N/A  
Active Ingredients : N/A

**4 First Aid Measures**

Inhalation : Remove person to fresh air and seek medical advice. If not breathing, apply artificial respiration and seek urgent medical aid.

Skin Contact : Remove contaminated clothing and wash skin thoroughly with plenty of soap and water. High pressure injection through the skin requires urgent medical attention for possible incision, irrigation and/or debridement. Contact with molten material will require treatment by a physician for burns (Do not remove material).

Eye Contact : Wash with copious amounts of water for 15 minutes and seek medical advice if irritation develops or persists.

Ingestion : If a large quantity is ingested seek medical attention. It may be necessary to induce vomiting, taking extreme care that the person does not aspirate into the lungs. If aspiration occurs, urgent medical attention should be sought.

First Aid facilities : Eye wash fountains and safety showers are recommended.

**5 Fire-Fighting Measures**

Fire Hazard : Not flammable under conditions of use. Is a combustible solid that will burn if preheated.

Sources of ignition advice : Not applicable

Hazchem code : Not applicable

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**6 Accidental Release measures**

- Personal protection - Wear PVC-gloves and goggles to contain spillage.  
Avoid repeated skin contact.
- Environment precautions - Prevent the product contaminating soil and groundwater. Prevent the product entering sewers and waterways.  
Cfr.Section 12.
- Cleaning / recovery - Large spillages : contain and pump into containers  
- Small spillages : absorb on sand, earth...and collect into containers for disposal. Disposal should always comply with local, national or EEC regulations. Cfr.Section 13.

**7 Handling and Storage**

- Handling : Good industrial and personal hygiene practice should be followed. No eating and drinking in the workplace. Ensure adequate ventilation.
- Storage : Storage temperature : between +5 and +40°C.  
Protect from frost and direct sunlight.  
Drums and bottles : material is steel.
- Specific use : Use the best available methods of handling our Products whereby the employees enjoy maximum safety and whereby the environment is minimally affected.

**8 Exposure controls / personal protection**

- Hazards of use/storage ; This product is combustible if preheated.
- List of Dangerous Decomposition or Combustion Products : Combustion produces oxides of carbon, nitrogen, phosphorus and zinc.
- Fire-fighting products ; Keep storage tanks, pipelines, containers, fire exposed surfaces, etc..cool with water spray.
- Type of extinguisher/  
Fire fighting agents : Use foam, carbon dioxide or dry chemical. Do not use waer jets.
- Precaution : Water nar xause splattering or boil-over.
- Protective clothing : Self-contained breathing apratus is recommended during a fire.
- Reactivity : May react with strong oxidising agents.

**9. Physical and chemical properties**

Apperance / Odor	Smooth red grease,petroleum oil,odour
Vapor Pressure	Negligible
Specific Gravity	0.92
Evaporation Rate	Negligible
Solubility in water	Insoluble
Container type	R
Container Pressure Code	1
Temperature Code	4
Product State Code	L
Flash Point	150°C
Flash Point Method	COC
Extinguishing Media	DRY CHEMICAL,CARBON DIOXIDE,FOAM
Special Fire Fighting Procedures	NOT REQUIRED
Unusual Fire / Explosion Hazards	NONE
Drop Point	110°C

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#### 10 Stability and reactivity

Conditions to avoid : Stable under the recommended storage conditions. Cfr. Section 7 "Storage".  
Bacterial degradation can occur if the Product is stored for an unusually long period or is stored under unsuitable conditions.

Materials to avoid : N/D

Hazardous decomposition products : N/D

#### 11 Toxicological information

On product : Low toxicity is indicated by available data.  
Under normal industrial conditions, there is no indication that the Product can be considered as a health risk.  
Skin contact should be avoided to prevent possible long-term or short-term sensitisation.

#### 12 Ecological information

Ecotoxicity : The Product is soluble with water and as such could cover considerable distances if spilled into waterways. Even a small spillage will whiten the appearance of water. Water for sewage treatment, that has been contaminated.  
with small quantities of the Product, will not affect the biomass. High concentrations may be harmful to fish and micro organisms.

Mobility : Not established.

Persistence and degradability : There is only a slow environmental degradation of the Product.

Bioaccumulative potential : There is seemingly no tendency for bioaccumulation.

Other adverse effects : Unknown

#### 13 Disposal Considerations

- The following advice only applies to the product as supplied
- Combination with other materials may well indicate another route of disposal. If in doubt, contact local TLC-KOYA CHEMICALS MANUFACTURING SDN BHD or local authorities.
- Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor.
- Care should in any case be taken to ensure compliance with national and local regulations.
- This product is not suitable for disposal by either landfill or via municipal sewers, drains, and natural streams, rivers or seas, they will effect the relationship between living things, plants and their environment.

#### 14 Transport information

General information : This Product is not regulated for road/rail & sea transport.

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#### 15 Regulatory Information

Classification and labeling	: Classification /symbol - not regulated
Governing directive	: Occupational Safety and Health (Classification, Packaging and Labeling of Hazardous Chemicals) Regulations 1997
Safety advice	: (May contain information in excess of requirements under applicable laws. S23 Do not breathe gas/fumes/vapor/spray S24 Avoid contact with skin S33 Take precautionary measures against static discharges S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

#### 16 Other information

Further information	: None
Print date	: 11-2-2014

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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