



SAFETY DATA SHEET

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Revised edition no : 03

P-637 BENTONE GREASE

Effective Date: 23/7/2024

1 Identification of the Product and the company

Chemical Name : Bentone Grease
Type of product chemical family : Petroleum Grease
Distributor : TLC-KOYA Chemicals Mfg 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 no. : See distributor

2 Hazard Identification

HAZARD PICTOGRAM



SIGNAL WORD: WARNING

CLASSIFICATION

Skin irritation

category 2

Hazard Statement

H315 Causes skin irritation

Precautionary statement-Prevention

P264 Wash thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary statement-response

P302 + P352 IF ON SKIN: wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

3 Composition / Information on Ingredients

Product type :

Lubricant Grease

Product Composition :

Thickened by lithium complex soap, it is made from deeply refined mineral oil with extreme pressure additives, rust and oxidation inhibitors.

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Ingredient #	01
Ingredient Name	MINERAL OIL
Percent	85-95%
Ingredient #	02
Ingredient Name	LITHIUM SOAP

4 First Aid Measures

Skin contact :

Wash with soap and water, then wash skin with clean water thoroughly. If the durative irritant occurs, get medical advice.

Eye contact :

Wash eye with clean water or physiological brine for at least 15 minutes. If the durative irritant occurs, get medical advice.

Inhalation :

No volatile substance occurs at normal temperature. Not expected to be harmful if inhaled the high temperature steam.

Ingestion :

Not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, get medical advice.

5 Fire-Fighting Measures

Fire Classification :

Not classified by OSHA as flammable or explosive.

Combustion Product :

A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion .

Extinguishing Method and Medium :

Use water fog, foam, dry chemical, carbon dioxide (CO₂), sand or earth to extinguish flames.

Fire Fighting Instructions :

Do not enter any enclosed or confined fire space without proper protective equipment.

6 Accidental Release measures

Stop the sources of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water of underground. Clean up spill as soon as possible, observing precautions in personal protection. Use appropriate techniques such as applying non-combustible absorbent materials to absorb the scrap. Place contaminated materials to absorb the scrap. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

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7 Handling and Storage

Handling Information :

When you remove this product into cylinder, please wear exposure suit. Use proper handling tool, and prevent overflowing.

Storage Notation :

Storage in the place of cool, dry and fresh air: storage temperature : 0~50°C. Don't storage near with hot fountain, keep away from flammable material and strong oxidizing agents: don't storage in the opened or non-label container.

8 Exposure controls / personal protection

Engineering Control :

Use in a well-ventilated area

Respiratory Protection :

No special respiratory protection is normally required.

Eye Protection :

No special eye protection is normally required.

Skin Protection :

Prevent from coating skin to the best of your abilities, wear exposure suit, and wash your work clothes in time.

Hand Protection :

Suggested materials for protective glove include: Neoprene, Nitrile Rubber.

The Other Protection :

Wash hands before eating, smoking and toileting .

9 Physical and chemical properties

Typical Characteristics

Colour	RED/BLUE/AMBER
Dropping Point , °C	270°C
Flash Point (°C)	200°C
Self-ignite Point (°C)	>280
Applied Temperature	20~160°C
Non-Worked Cone Penetration (25°C , 0.1mm)	265-295
Copper Corrosion (T2 copper strip,100°C,24h)	PASS
EP Additive Type	None
Specific Gravity	0.92g/ml
Physical State	Semi-solid
Solubility (Soluble in hydrocarbons)	insoluble in water
Main Purpose	Lubricate equipment

Attention : The data above are typical values and do not constitute a specification.

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10 Stability and reactivity

Chemical Stability

Stable

Incompatibility With Other Materials

Strong acid, strong alkali, strong oxidizing agents

Avoiding Contact Condition

High Temperature

Hazardous Polymerization

Hazardous polymerization will not occur

Hazardous Decomposition Products

Hazardous decomposition will not occur at the normal storage period .

11 Toxicological information

Contact Limitation :

No correlative data

Acute Oral Toxicity :

Innocuous (LD50>15g/kg (rat))

Acute Inhalation Toxicity

Nearly no irritation (LD50>5.0mg/l (rat)). The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

Eye Irritation :

Nearly no irritation (grade : 0 or <6). The eye irritation is based on evaluation of data for similar materials or product components .

Skin Irritation :

Nearly no irritation (main irritation index : 0.5~3). The eye irritation is based on evaluation of data for similar materials or product components.

Skin Sensitization :

Not expected to be skin sensitive substance.

Carcinogenic Property :

None

The Other :

Prevent from contacting skin to the best of your abilities. Under the condition of your bad personal sanitation, the dermatitis may occur.

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12 Ecological information

Ecological Toxicity

Expected to be innocuous to aquatic organisms.

Biodegradable Property

Not easily to be decomposed by biology.

Non-biodegradable Property

At the dropping point, the thickening agent and oil are divided.

Biology Enrichment or Biology Accumulate Property

The product is semisolid in most condition. It floats on the water or contact soil, can be absorbed by soil.

13 Disposal Considerations

Disposal Method

Grease collection services are available for used grease recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations: you'd better select a unit who has callback and disposal aptitude.

Notation

The grease that are used or scrap may have some harmful impurity in the process of use: it may do harm to environment and health .

Prevent from contacting skin to the best of your abilities. Don't put into the nature: don't pollute the soil or water.

The disposal of product is the same with the offal. The wrapping barrel will be return to the manufacturer to repair when it's cleaned up. The wrapping barrel which is used up may have scrap or steam, avoid jointing, incision etc.

One-off metallic or plastic packaging should be call backed if possible: or disposed as industrial garbage.

14 Transport information

Hazardous Goods Number

In standard of GB6944-86, Lubricant grease doesn't belong to hazardous goods

UN Number

The transportation of this product is innocence.

Packing Sign

Packing Sort

Nw : 180kgs drum Package

Packing Method

180kg/drum

Transportation Notation

Don't ship with hazardous goods, commodity, food and cigarette. There're no other specific requirements.

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15 Regulatory Information

Regular Information

In GB13690-92 , <The classification and Sign of Hazardous Chemical in Common Use> is divided into eight kinds, lubricant grease doesn't belong this category.

USA DOT doesn't have regulatory

IMO doesn't have regulatory

IATA doesn't have regulatory

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.

Precautionary statement-Prevention

P264 Wash thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary statement-response

P302 + P352 IF ON SKIN: wash with plenty of soap and water.
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P362 Take off contaminated clothing and wash before reuse.

16 Other information

Further information : None
Print date : 23/7/2024

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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