



**ZetaLube**

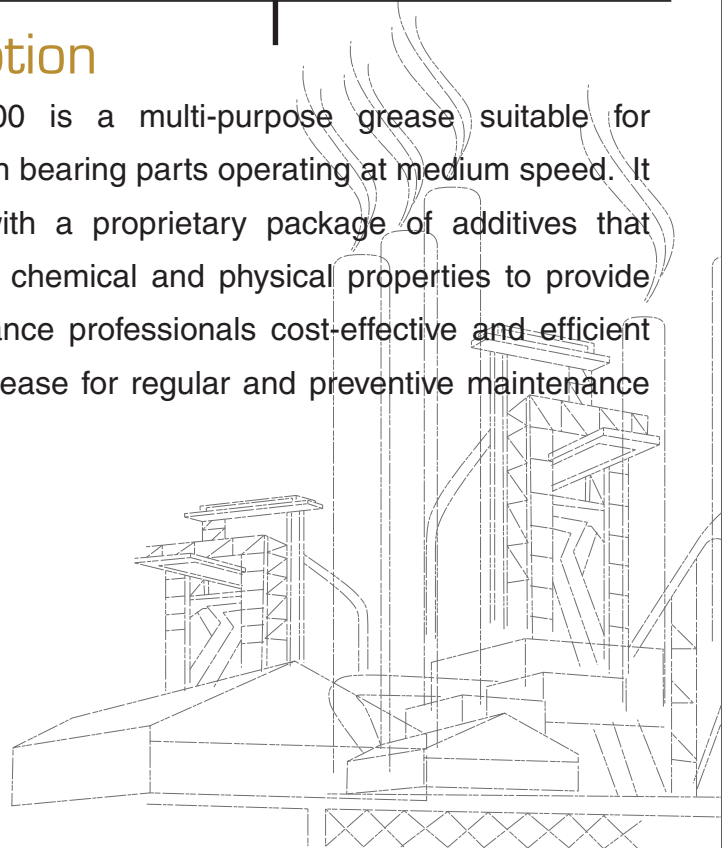
A New Lubricity Dimension  
Evolved From Experience



# ZetaLube 200 Multi-Purpose Grease

## Description

ZetaLube 200 is a multi-purpose grease suitable for application on bearing parts operating at medium speed. It is fortified with a proprietary package of additives that enhances its chemical and physical properties to provide the maintenance professionals cost-effective and efficient lubricating grease for regular and preventive maintenance jobs.



**MAGNA INDUSTRIAL CO. LIMITED**  
Total Quality Maintenance

[www.magnagroup.com](http://www.magnagroup.com)

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## Features and Benefits

- Excellent oxidation and thermal stability to protect against carbon residues build-up and heat stress.
- Good adhesiveness to prevent fling-off of the grease from parts/components.
- Can be used on machinery/equipment parts and components such as bearings where lubricating oil is not desirable.
- Excellent film strength to provide protection against metal-to-metal wear and moisture.
- Good protection against corrosion and water wash-off.
- Versatile applications – reduce inventory of lubricants.
- Extends machinery/equipment service life and reduces maintenance costs.

## Recommended Applications

- Suitable for use in automotive and industrial machinery/equipment operating at medium speed where EP grease is not required.
- Particularly suitable for use in electrical motor and wheel bearings carrying moderate loads.

## Typical Data

TEST	ASTM TEST METHOD	TEST RESULT
NLGI Grade	--	2
Penetration @ 25°C (Unworked)	D-217	270
Penetration @ 25°C (worked, 60 Strokes)	D-217	275
Dropping Point, °C	D-2265	260+
Base Fluid : Viscosity, cSt @ 40°C	D-445	190
Rust Prevention Rating	D-1743	Pass

The data shown are typical value and may vary.

## Pack-size

15 Kg Pail

### Authorized Distributor

**Alshawi Trading,**  
Block 351, Road 51, Bldg 20, Manama - Bahrain.  
[www.alshawitrading.com](http://www.alshawitrading.com)  
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P.O. Box : 33526

Tel: (973) 1755 0019  
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**MATERIAL SAFETY DATA SHEET**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910. 1200, Standard must be consulted for specific requirements.

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<b>IDENTITY (As Used on Label and List)</b> <b>ZETALUBE 200</b>	<b>LAST ASSESSED:</b> 29 May 2007
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**SECTION I - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<i>Hazardous Components (Specific Chemical Identity: Common Name(s))</i>	<i>CAS NO.</i>	<i>ACGIH TLV</i>	<i>Other Limits Recommended</i>
Highly refined mineral oil**	64742-65-0	5.0mg/m <sup>3</sup> *	-
Highly refined mineral oil**	64741-62-7	5.0mg/m <sup>3</sup> *	-

**SECTION II - PHYSICAL CHARACTERISTICS**

<i>Boiling Point</i>	N.A.	<i>Specific Gravity (H<sub>2</sub>O = 1)</i>	~0.90
<i>Vapor Pressure (N.A.)</i>	N.A.	<i>Melting Point</i>	N.A.
<i>Vapor Density (AIR = 1)</i>	N.A.	<i>Evaporation Rate (Ether = 1)</i>	N.A.

*Solubility in Water* < 0.1 g/l

*Appearance and Odor* Smooth yellow grease with negligible odor.

**SECTION III - FIRE AND EXPLOSION HAZARD DATA**

<i>Flash Point (Method Used)</i>	<i>Flammable Limits</i>	<i>LEL</i>	<i>UEL</i>
>240°C	N.A.	-	-

***Extinguishing Media***

Dry chemical, water fog, carbon dioxide, foam, and sand.

***Special Fire Fighting Procedures***

Fire fighters should wear an approved self-contained breathing apparatus.

***Unusual Fire and Explosion Hazards***

None expected. Autoignition temperature is in excess of 450°C.

**SECTION IV - REACTIVITY DATA**

<i>Stability</i>	<i>Conditions to Avoid</i>
Stable	None

***Incompatibility (Materials to Avoid)***

Strong oxidizing agents

***Hazardous Decomposition or Products***

Oxides of carbon

<i>Hazardous Polymerization</i>	<i>Condition to Avoid</i>
Will Not Occur	None

**SECTION V - HEALTH HAZARD DATA**

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**Threshold Limit Value**

See section I hazardous ingredients

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**Effects of Overexposure**

There is no lethal dose information available.

Inhalation: Inhalation of vapours can cause irritation of the respiratory tract. High concentrations of oils, mists or vapours can cause chemical pneumonitis.

Skin: May cause irritation, drying and cracking.

Eyes: Cause irritation.

Ingestion: May cause irritation in mouth and stomach, thirst, nausea, vomiting, diarrhoea, with possible collapse if large amounts ingested.

Aspiration of material upon vomiting may cause chemical pneumonitis.

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**Emergency & First Aid Procedures**

Eyes: Flush with large amounts of water for at least 15 min. Call a physician immediately.

Skin contact: Wash thoroughly with soap and water.

Inhalation: N.A.

If swallowed: Call a physician immediately.

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**SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE**

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**Steps to Be Taken In Case Material Is Released or Spilt**

Transfer bulk of material into another container. Absorb remaining residue with proper absorbents such as sand, earth, and vermiculite. Sweep up and dispose of as solid waste comply with all local and national regulations.

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**Waste Disposal Method**

By methods consistent with local and national regulations.

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**Precautions to Be Taken in Handling and Storing**

Keep containers closed. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Wash clothing before re-use. Keep away from feed and food products.

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**Other Precautions**

Keep out of the reach of children.

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**SECTION VII - CONTROL MEASURES**

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**Respiratory Protection (Specify Type)**

None required

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Special</b>
	N.A.	N.A.
	<b>Mechanical (General)</b>	<b>Other</b>
	N.A.	N.A.
<b>Protective Gloves</b>	<b>Eye Protection</b>	
Rubber or plastic oil resistant gloves.	Safety goggles and full-face shield when handled hot.	

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**Other Protective Clothing or Equipment**

None required

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**Work/Hygienic Practices**

N.A.

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**Remarks**

\* The ACGIH TLV for mineral oil mists is 5mg/m<sup>3</sup> for a daily 8-hour exposure.

\*\* Contains less than 3% DMSO extract as measured by IP346.

Transportation: Not classified.

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