



ZetaLube

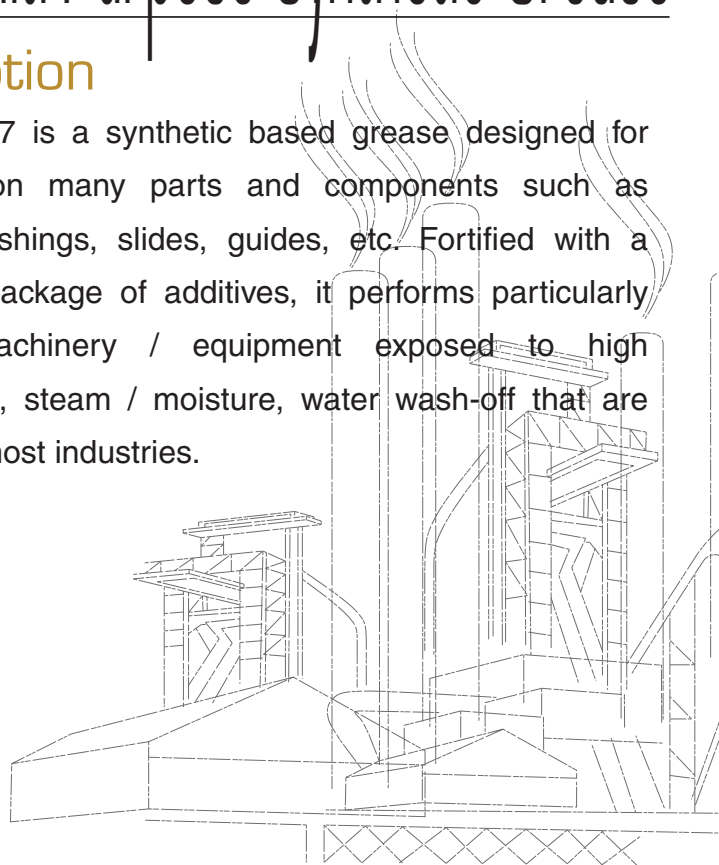
A New Lubricity Dimension
Evolved From Experience



ZetaLube 207 Multi-Purpose Synthetic Grease

Description

ZetaLube 207 is a synthetic based grease designed for application on many parts and components such as bearings, bushings, slides, guides, etc. Fortified with a proprietary package of additives, it performs particularly well for machinery / equipment exposed to high temperatures, steam / moisture, water wash-off that are common in most industries.



MAGNA INDUSTRIAL CO. LIMITED
Total Quality Maintenance

www.magnagroup.com

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Features and Benefits

- Excellent oxidation and thermal stability to protect parts and components against carbon residues build-up.
- Good adhesiveness to prevent “fling-off” of the grease from parts/components.
- Excellent film strength to provide protection against metal-to-metal wear and tear.
- 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

- Can be applied on plain, roller, anti-friction, & ball bearings, rack & pinion, slides, universal joints, guides frequently exposed to water, steam, and high temperatures.
- Particularly suitable for use as general purpose grease for the processing department of textile plants.

Typical Data

TEST	ASTM TEST METHOD	TEST RESULT
Appearance	Visual	Yellow
NLGI Grade	D-217	2
Base Fluid:		
Viscosity, cSt @ 40°C	D-445	169.3
@ 100°C	D-445	19.5
Viscosity Index	D-2270	132
Dropping Point, °C	D-2265	260+
Temperature Range, °C	D-128	-40 to + 210

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
info@alshawitrading.com
P.O. Box : 33526

Tel: (973) 1755 0019
Fax: (973) 1755 5108

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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32 OI KWAN ROAD, WANCHAI,
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IDENTITY (As Used on Label and List) ZETALUBE 207	LAST ASSESSED: 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	5mg/m ³ *	-
Polyalphaolefin	68037-01-4	5mg/m ³ *	-

SECTION II - PHYSICAL CHARACTERISTICS

<i>Boiling Point</i>	N.A.	<i>Specific Gravity (H₂O = 1)</i>	~0.9
<i>Vapor Pressure (N.A.)</i>	N.A.	<i>Melting Point</i>	>250°C
<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> Stable	<i>Conditions to Avoid</i> Pyrolysis
<i>Incompatibility (Materials to Avoid)</i> Strong oxidizing agents	
<i>Hazardous Decomposition or Products</i> Oxides of carbon	
<i>Hazardous Polymerization</i> Will Not Occur	<i>Condition to Avoid</i> None

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value

See section I hazardous ingredients

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. Inhalation of vapors from material at high temperature (over 250°C) must be avoided.

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.

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.

SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE

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.

Waste Disposal Method

By methods consistent with local and national regulations.

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. Avoid contamination of cigarettes or other tobacco products.

Other Precautions

Keep out of the reach of children.

SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type)

None required unless mists, smokes or vapors are produced at high temperatures.

Ventilation	Local Exhaust	Special
	N.A.	N.A.
	Mechanical (General)	Other
	N.A.	N.A.

Protective Gloves

Rubber or plastic oil resistant gloves.

Eye Protection

Safety goggles and full-face shield when handled hot.

Other Protective Clothing or Equipment

None required

Work/Hygienic Practices

N.A.

Remarks

* The ACGIH TLV for mineral oil mists is 5mg/m³ for a daily 8-hour exposure.
** Contains less than 3% DMSO extract as measured by IP346.

Transportation: Not classified.

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