



ZetaLube

A New Lubricity Dimension
Evolved From Experience

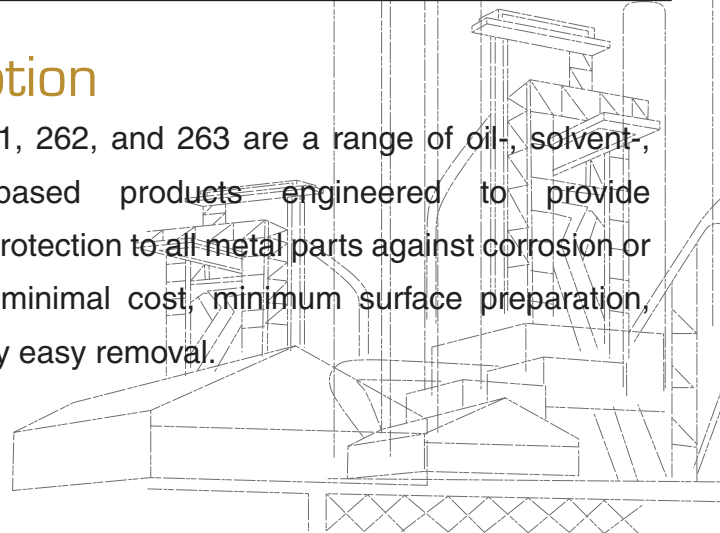


ZetaLube

- 261 Long Term Rust Preventive
- 262 Quick Drying Rust Preventive
- 263 Water Based Rust Preventive

Description

ZetaLube 261, 262, and 263 are a range of oil-, solvent-, and water-based products engineered to provide exceptional protection to all metal parts against corrosion or rusting with minimal cost, minimum surface preparation, and incredibly easy removal.



MAGNA INDUSTRIAL CO. LIMITED
Total Quality Maintenance

www.magnagroup.com

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Features and Benefits

ZetaLube 261 & ZetaLube 262

- Outstanding long-term rust prevention.
- Good water displacing capabilities – metal parts are water-proof.
- Outstanding penetrating capability to protect even difficult-to-reach metal parts.
- High flash point (>60°C).
- Easy to apply – manually by brush or by sprayer or dip feeding.
- No unpleasant or irritating odor.

ZetaLube 263

- Outstanding intermittent rust prevention(1 week to 1 month).
- Non-flammable
- Easy to remove
- Easy to apply – manually by brush or by sprayer or dip feeding.
- Apply by dilution with water at the ratio of 1 part ZL263 : 9 parts of water.
- Can also be applied without dilution with water.

Recommended Applications

- For intermittent and long-term protection against rusting, corrosion, and oxidation to all metal parts or components.
- For metal parts during indoor storage, packaged shipment, and inter-process handling.
- To maintain effectiveness of the products, ZetaLube Corrosion Preventive should be stored at room temperature (25°C).

Typical Data

TEST	ZetaLube 261	ZetaLube 262	ZetaLube 263
Appearance	Brown	Amber	Light Amber
Density, kg/L @ 15°C	0.85	0.81	1.06
Flash Point (Close Cup), °C	>70	>60	--
Film Thickness (µm)	2.5	3.5	3.0
Coverage Area (m ² / L)	45	65	70
Drying Time (95% Solvent Evaporated)	--	30 minutes	30 minutes

The data shown are typical value and may vary.

Pack-size

205 Litre Metal Drum & 20 Litre Plastic Container

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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IDENTITY (As Used on Label and List) ZETALUBE 261	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 *	-
Petroleum solvent	64742-47-8	100 ppm	-

SECTION II - PHYSICAL CHARACTERISTICS

<i>Boiling Point</i>	N.A.	<i>Specific Gravity (H₂O = 1)</i>	~0.9
<i>Vapor Pressure (@25°C, mmHg)</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 Negligible

Appearance and Odor Clear brown liquid

SECTION III - FIRE AND EXPLOSION HAZARD DATA

<i>Flash Point (Method Used)</i>	<i>Flammable Limits</i>	<i>LEL</i>	<i>UEL</i>
>70°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.

SECTION IV - REACTIVITY DATA

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

Incompatibility (Materials to Avoid)

Strong oxidizing agents, hydrogen peroxide, chromic acid, bromine.

Hazardous Decomposition or Products

Incomplete combustion and high temperature thermal decomposition may promote oxides of carbon, sulfur and phosphorus.

<i>Hazardous Polymerization</i>	<i>Condition to Avoid</i>
Will Not Occur	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.

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.

Other Precautions

Keep out of the reach of children.

SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type)

None required

Ventilation	Local Exhaust	Special
	N.A.	N.A.
	Mechanical (General)	Other
	N.A.	N.A.
Protective Gloves	Eye Protection	
Rubber or plastic oil resistant gloves.	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.

Transportation: Not classified.

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