



ZetaLube

A New Lubricity Dimension
Evolved From Experience

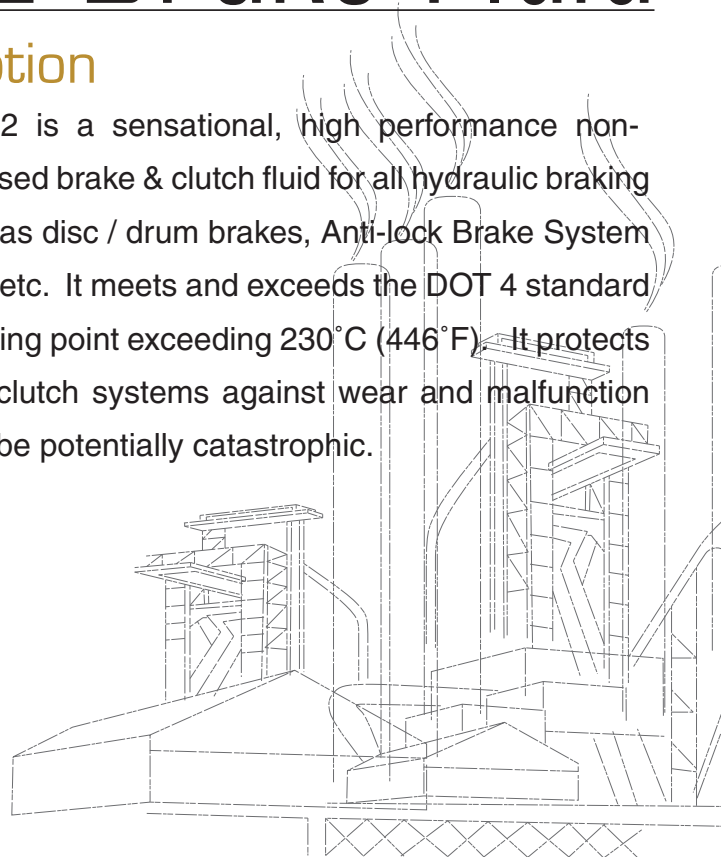


ZetaLube

822 Brake Fluid

Description

ZetaLube 822 is a sensational, high performance non-petroleum based brake & clutch fluid for all hydraulic braking system such as disc / drum brakes, Anti-lock Brake System and clutches etc. It meets and exceeds the DOT 4 standard with "dry" boiling point exceeding 230°C (446°F). It protects the brake & clutch systems against wear and malfunction which would be potentially catastrophic.



MAGNA INDUSTRIAL CO. LIMITED
Total Quality Maintenance

www.magnagroup.com

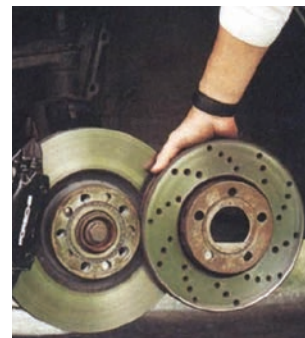
Magna Industrial reserves the right to modify or change this product for purpose of improving its performance characteristics ©2007 Magna Industrial Co. Limited .

The ZetaLube trade mark is the property of ITW, Inc. and is used under licence by Magna Industrial Co. Limited



Features and Benefits

- High boiling point and good resistance to oxidation and evaporation to ensure that quality does not deteriorate due to thermal stress and vapor lock.
- Provides feel of pedal firmness to drivers and responds quickly to pressure & pulses.
- Excellent hydraulic efficiency & lubricity to ensure smooth operation of internal parts of brake & clutch systems.
- Absorbs less moisture at slow rate to maintain performance even exposed to humid conditions.
- Exceptional protection against rust and corrosion.
- Compatible with all suitable brake fluid based on glycol.
- Prolongs drain interval and ultimately reduce maintenance costs.



Recommended Applications

- For use in disc / drum brakes, ABS and clutch systems where DOT 4 fluid is required.
- Keep the brake fluid and its container clean and tightly closed to reduce the risk of moisture absorption and brake failure.
- Always check the owner's manual for manufacturers' maintenance requirements and recommendations such as brake fluid specifications, recommended oil-change interval/mileage, etc.

Typical Data

TEST	ASTM TEST METHOD	TEST RESULT
Viscosity, cSt @ -40°C (max)	D-445	1360
@ 100°C (min)	D-445	2.4
Equilibrium Reflux Boiling Point, °C (min)	--	265
Wet ERBP, °C (min)	--	160
pH value	--	7.6

The data shown are typical value and may vary.

Pack-size

1 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.

ZETALUBE DIVISION
MAGNA INDUSTRIAL CO. LIMITED
 18/F., GUARDIAN HOUSE,
 32 OI KWAN ROAD, WANCHAI,
 HONG KONG

TEL: (852) 2577 5187
 FAX: (852) 2577 3190

IDENTITY (As Used on Label and List) ZETALUBE 822	LAST ASSESSED: 29 July 2007
--	------------------------------------

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>
Diethylene glycol	112-46-6	-	-
Triethylene glycol	112-27-6	-	-
Tetraethylene glycol	112-60-7	-	-
Diethylene glycol monoethyl ether	111-90-0	-	-
Triethylene glycol monoethyl ether	112-50-5	-	-
Diethylene glycol monobutyl ether	112-34-5	-	-

SECTION II - PHYSICAL CHARACTERISTICS

<i>Boiling Point</i>	N.A.	<i>Specific Gravity (H₂O = 1)</i>	1.05
<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 Complete

Appearance and Odor Clear to amber liquid with mild odour

SECTION III - FIRE AND EXPLOSION HAZARD DATA

<i>Flash Point (Method Used)</i>	<i>Flammable Limits</i>	<i>LEL</i>	<i>UEL</i>
>90°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)

N.A.

Hazardous Decomposition or Products

Oxides of carbon

Hazardous Polymerization

Will Not Occur

Condition to Avoid

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**

N.A.

Special

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		
Transportation: Not classified.		
We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility or any loss, damage, or expense, direct or consequential, arising out of their use.		