



**ZetaLube**

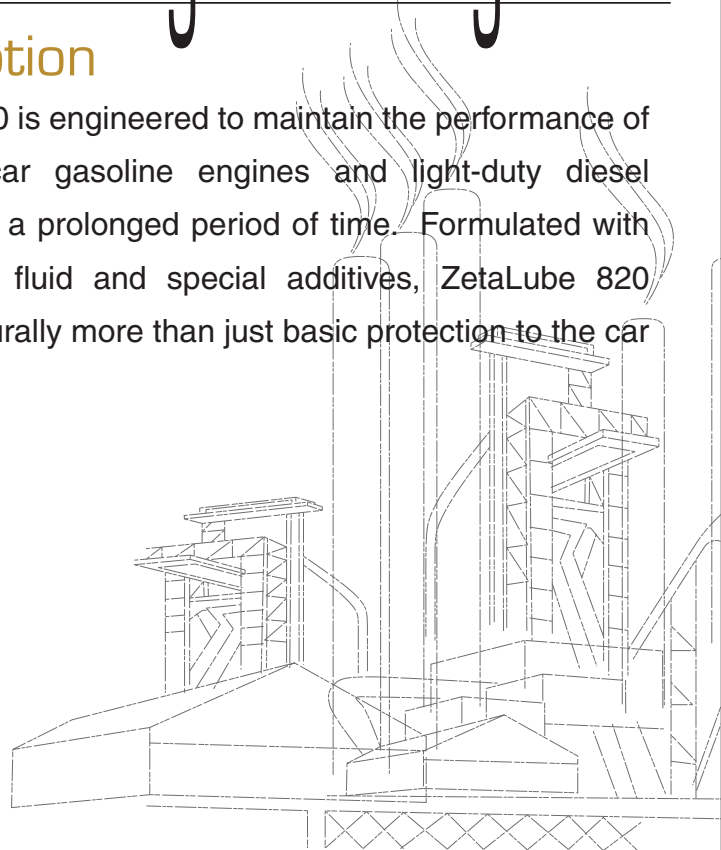
A New Lubricity Dimension  
Evolved From Experience



# ZetaLube 820 Passenger Car Engine Oil

## Description

ZetaLube 820 is engineered to maintain the performance of passenger car gasoline engines and light-duty diesel engines over a prolonged period of time. Formulated with quality base fluid and special additives, ZetaLube 820 provides naturally more than just basic protection to the car engines.



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

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

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## Features and Benefits

- Provides excellent film protection and lubricity to prevent moving parts from contact – reduces the risk of frictional wear and damage to the engines.
- Resistance against oxidation and corrosion - protects engines from contamination caused by carbon residues, sludge and corrosive materials.
- Provides extra protection to and maintains cleanliness in engines – ensures smooth engine operation and ultimately extends service life of cars.
- Offers more cost-effective protection and lubricity to passenger car engines as compared to most synthetic oils.



## Recommended Applications

- For lubrication of passenger car gasoline and light-duty diesel engines requiring API SL/CF or earlier specifications
- Meets specifications of:
  - ACEA – A3/B3
  - SAE 10W40 / SAE 5W30 / SAE 0W30
  - Mercedes Benz
  - Ford
  - Volkswagen
- Available in 4 litre for regular oil-change, and 1 litre for top-up.
- Always check the owner's manual for basic maintenance requirements for the car engine such as API requirement, recommended oil-change interval/mileage, etc.

## Typical Data

| TEST                             | ASTM TEST METHOD | SAE 10W40 | SAE 5W30 | SAE 0W30   |
|----------------------------------|------------------|-----------|----------|------------|
| Density, kg/L @ 15°C             | D-1298           | 0.874     | 0.850    | 0.848      |
| Viscosity, cSt @ 40°C<br>@ 100°C | D-445            | 98        | 65       | 54         |
|                                  | D-445            | 13.8      | 11       | 9.6        |
| Viscosity Index                  | D-2270           | 145       | 152      | 160        |
| Flash Point, COC, C(°F)          | D-92             | 225(437)  | 238(460) | 230(446)   |
| Pour Point C(°F)                 | D-97             | -23(-9.4) | -25(-13) | -24(-11.2) |

The data shown are typical value and may vary.

## Pack-size

4 Litre / 1 Litre Plastic Container

### 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

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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><br><b>ZETALUBE 820</b> | <b>LAST ASSESSED:</b> 29 May 2007 |
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**SECTION I - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

| <i>Hazardous Components<br/>(Specific Chemical Identity: Common Name(s))</i> | <i>CAS NO.</i> | <i>ACGIH<br/>TLV</i> | <i>Other Limits<br/>Recommended</i> |
|--|----------------|----------------------|-------------------------------------|
| Highly refined mineral oil**   | 64742-62-7     | 5mg/m <sup>3</sup> * | -                                   |

**SECTION II - PHYSICAL CHARACTERISTICS**

|                                     |      |  |      |
|-------------------------------------|------|--|------|
| <i>Boiling Point</i>                | N.A. | <i>Specific Gravity (H<sub>2</sub>O = 1)</i> | ~0.9 |
| <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* < 0.1 g/l

*Appearance and Odor* Amber liquid with negligible liquid

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

| <i>Flash Point (Method Used)</i> | <i>Flammable Limits</i> | <i>LEL</i> | <i>UEL</i> |
|----------------------------------|-------------------------|------------|------------|
| >150°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*****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****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****Respiratory Protection (Specify Type)**

None required

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| <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.           |

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**Protective Gloves**

Rubber or plastic oil resistant gloves.

**Eye Protection**

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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