



ZetaLube

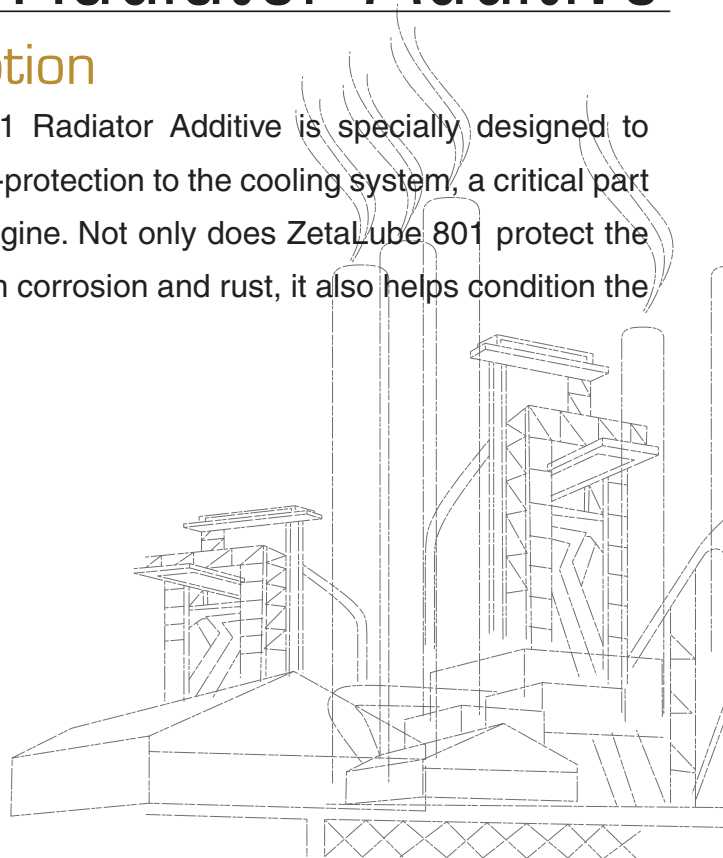
A New Lubricity Dimension
Evolved From Experience



ZetaLube 801 Radiator Additive

Description

ZetaLube 801 Radiator Additive is specially designed to provide extra-protection to the cooling system, a critical part of any car engine. Not only does ZetaLube 801 protect the radiators from corrosion and rust, it also helps condition the water pumps.



MAGNA INDUSTRIAL CO. LIMITED
Total Quality Maintenance

www.magnagroup.com

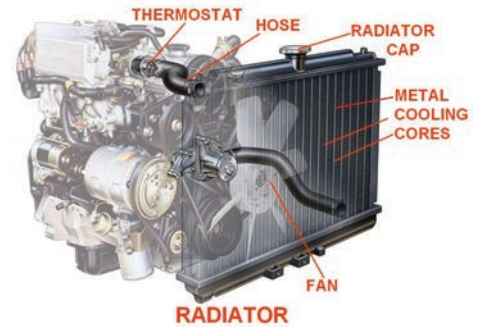
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Features and Benefits

- Outstanding rust and corrosion inhibitor.
- Compatible with all anti-freeze coolants.
- Provides excellent lubrication to water pumps to reduce risk of frictional wear.
- Effective preventive maintenance tool to maintain radiator efficiency without changing the coolant.



Application

- With engine ignition off and cooled for at least 15 to 20 minutes, remove the radiator cap carefully.
- Drain the used coolant through the drain plug or drain cock and collect the used coolant with a catch basin or bucket. (Please dispose of used coolant with care according to local regulations if applicable).
- Make sure that the coolant system is empty and close the drain plug or drain cock.
- Refill radiators with new coolant pre-mixed with ZetaLube 801 Radiator Additive using the following formula: 5% by volume for radiators less than 5 years old and up to 7% by volume for radiators over 5 years old.
- For maintaining radiator efficiency, prior to the application of ZetaLube 801 Radiator Additive, flush the radiators thoroughly with ZetaLube 800 Radiator Flush.

Tips on Radiator Maintenance

Keeping the radiator in good condition is important in reducing the risk of car engine overheating. Preferably, you should have your radiator inspected by professionals at least once every two years. However, before the regular check-up or in-between regular inspections, the following checklist may help vehicle owners to avoid premature radiator failure:

- Check out possible radiator leak
 - If you need to top up the coolant frequently (say more than once semi-annually), this is a clear sign that the radiator is leaking.
 - If you find a puddle of water or stain underneath your car, this may also be an indication that the radiator is leaking.
 - Corrosion or rusting on the metal parts of the radiator may be one of the causes of leaks. Apply anti-corrosion radiator additive such as ZetaLube 801 Radiator Additive to the cooling system is one of the preventive solutions for this kind of radiator failure.
- Check for possible clogging of hoses in the radiator
 - If you notice that the engine temperature rising more than it usually does, that probably indicates that the radiator is not performing up to its specification.
 - Clogging of hoses may be one of the reasons that the radiator is not working as it should be. Make sure that the radiator is annually flushed and treated with ZetaLube 801 Radiator Additive to maintain the radiator efficiency.
- Check the thermostats for possible malfunction
 - Take out the thermostat from the cooling system and put it in a pot of boiling water.
 - The valve should begin to open at the temperature indicated on its body. In fact, the valve should be fully open when the water boils.
 - If the valve does not open, you better replace the thermostat.
 - ZetaLube 801 Radiator Additive helps keep the thermostat in good condition because it prevents rusting and provides excellent lubrication to the thermostat.
- Check for possible corrosion on metal parts such as radiator cores and clamps of the cooling system
 - Rusting or corrosion may lead to cracked parts in the cooling system – visually check for any rust or corrosion in the cooling system.
 - You may also apply ZetaLube 801 Radiator Additive for better protection against corrosion or rusting on interior of the radiator.
- Always check the owner's manual for manufacturers' maintenance requirements and recommendations such as specifications of coolants, recommended oil-change interval/mileage, etc.

Pack-size

350 ml Bottle

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
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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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IDENTITY (As Used on Label and List) ZETALUBE 801	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>
Water	7732-18-5	N.A.	-
Tolytriazole	29385-43-1	N.A.	
Sodium hydroxide	1310-73-2	N.A.	-

SECTION II - PHYSICAL CHARACTERISTICS

<i>Boiling Point</i>	N.A.	<i>Specific Gravity (H₂O = 1)</i>	~1.06
<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 Complete

Appearance and Odor Straw colored liquid with mild odor

SECTION III - FIRE AND EXPLOSION HAZARD DATA

<i>Flash Point (Method Used)</i>	<i>Flammable Limits</i>	<i>LEL</i>	<i>UEL</i>
NONE	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 acids and oxidizing agents

Hazardous Decomposition or Products

Oxides of carbon, sulfur and nitrogen.

<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

Transportation: Not classified.

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