



ZetaLube

A New Lubricity Dimension
Evolved From Experience



ZetaLube 800 Radiator Flush

Description

According to statistics published by automotive organizations, one of the most common causes of automotive breakdown is radiator cooling system failure usually due to poor radiator maintenance. In addition, majority of energy generated by a car engine is dissipated as heat. The cooling system cannot be overlooked and needs to be taken care of more carefully. To reduce the risk of premature radiator failure, ZetaLube 800 Radiator Flush is one of the helpful preventive tools for vehicle owners to keep their car running smoothly on the roads. After all, prevention is the best solution to radiator failure.

MAGNA INDUSTRIAL CO. LIMITED
Total Quality Maintenance

www.magnagroup.com

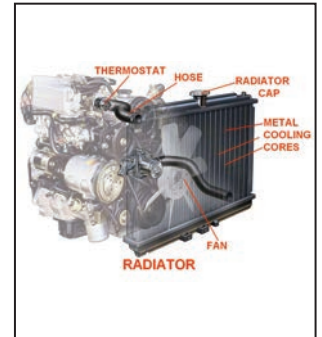
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Features and Benefits

- Flushes light rust, dust, and sediment accumulated in the radiators quickly.
- Clean up the radiators for mechanics' professional inspection.
- Preventative maintenance fluid to help keep the interior of radiators clean.
- Can be used on passenger cars and light-duty trucks.



Application

- With engine ignition off and cool for at least 15 to 20 minutes, remove the radiator cap carefully.
- Drain the old 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.
- Apply the whole bottle of ZetaLube 800 Radiator Flush into the cooling system and fill with water.
- Start and run engine to operating temperature with the heater on for up to 10 minutes for thorough circulation of ZetaLube 800 Radiator Flush.
- Repeat step 1 & 2 to drain the radiator flush and water.
- Then repeat step 3 to re-fill your cooling system with new coolant. (ZetaLube 803 Anti-Freeze Fluid is certainly one of your wise choices).
- For better radiator efficiency, flush the radiators with ZetaLube 800 Radiator Flush 1 to 2 times every 2 years.

Tips on Radiator Flushing

Preferably, you should ask the professionals to drain the coolant and flush the radiators. However, it is not a difficult task to perform the jobs yourself. While doing the “drain and flush” job, pay attention to the following points:

- Prepare a bucket/basin (up to 2 litres) to safely collect the old coolant drained.
- Do not open the radiator cap when the engine is not cool.
- Dispose of used coolants with care since some coolants contain substance that is toxic to pets and people.
- Always clean up any spill or left-over of coolants.
- Always check the owner's manual for manufacturers' maintenance requirements and recommendations such as brake fluid specifications, 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 800	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>
Sodium metasilicate pentahydrate	6834-92-0	2mg/m ³	-
Ammonium carbonate	506-87-6	None	-
Water	7732-18-5	N.A.	-

SECTION II - PHYSICAL CHARACTERISTICS

<i>Boiling Point</i>	N.A.	<i>Specific Gravity (H₂O = 1)</i>	~1.0
<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 Slightly hazy yellow liquid with ammonia 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

None

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	N.A.

Incompatibility (Materials to Avoid)

Strong oxidizing agents.

Hazardous Decomposition or Products

N.A.

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. 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

Transportation: Not classified.

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