

903

DESCRIPTION:

Omega 903 is a diesel oil additive that compensates for inherently unsatisfactory diesel engine operation, keeps diesels operating for extended periods, cleans out the injector system, and prevents harmful sludge from accumulating in vehicle and fuel storage tanks.

PROBLEMS INHERENT TO DIESEL OPERATION:

Diesel engines are very sensitive to the quality of fuel they use in terms of flexibility and power output. The use of unstable fuel formulations can cause gumming up problems that block filters, pumps and injectors and lead to complete breakdown of machinery within a very short period of service life.

Diesel oil is widely available to the industrial user, but unfortunately, there is nothing the user can do a carefully check that only a high quality diesel oil is supplied.

A low quality diesel fuel quickly clogs injectors, gums up crankcases and filters, and leads to uneven and unbalanced power compression strokes. If the situation is allowed to continue indefinitely, the resultant engine damage can lead to sheared crankshafts, bent rods, scored cylinders and cracked pistons.

HOW OMEGA 903 WORKS:

Omega 903's ashless detergent additives, when added to diesel fuel, resist the formation of gumming and residues. This preventative action helps prevent injector tips, inlet and exhaust valves, and filters from becoming clogged.

This residue-resistant action enables the diesel injector to function properly at all times and Omega 903 continues to clean the engine as it operates, to ensure optimum performance at all times.

Omega 903 also contains an advanced olefin corrosion inhibitor which acts by "plating" engine parts with a micronized lubricant film that is impervious to high temperature and adheres to metallized parts. This "lubrication plating" action protects the engine parts from the effects of oxidation (rusting) and provides for slippery, friction free surfaces.

MAGNA INDUSTRIAL CO. LIMITED

Total Quality Maintenance

1801, Guardian House, 32 Oi Kwan Road, Wanchai, Hong Kong Tel: (852) 2577 5187 Fax: (852) 2577 3190
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MATERIAL SAFETY DATA SHEET

DATE 01-Aug-14

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name/Code Omega 903

Company Identification

Omega Manufacturing Division,
Magna Industrial Co. Limited,
1801, Guardian House,
32 Oi Kwan Road,
Wanchai, Hong Kong.

Distributor

Alshawi Trading,
Block 351, Road 51, Bldg 20, Manama - Bahrain.
www.alshawitrading.com
info@alshawitrading.com
P.O.Box 33526

Telephone (852) 25775187
Fax (852) 25773190

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SECTION 2 - HAZARDS IDENTIFICATION

Not classified as hazardous.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS Number</u>	<u>Wt.%</u>	<u>Classification</u>
Highly refined mineral oil**	64742-65-0	60-100	-

SECTION 4 - FIRST-AID MEASURES

Eye Contact: Flush with plenty of water for at least 15 minutes. Seek immediate medical attention.

Skin Contact: Wash thoroughly with soap and water. Obtain medical attention in case of skin irritation or other cause for concern.

Inhalation: Move patient to open air.

Ingestion: Do not induce vomiting. Seek immediate medical attention.

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SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Dry chemical, waterfog, foam, sand and carbon dioxide.
Special Protective Equipment for Fire Fighters: Self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: Dense smoke. Carbon dioxide, carbon monoxide.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spillage: Transfer bulk of material into another container. Absorb remaining residue with proper absorbents such as sand, vermiculite. Sweep up and dispose of in accordance with local and national regulations.

SECTION 7 - HANDLING AND STORAGE

Keep containers closed. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Wash clothing before reuse. Keep away from feed and food products.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ACGIH TLV

Refined light naphthenic distillate 5 mg/m³ (oil mist)

Eye Protection: Safety goggles and full-face shield
Hand Protection: Rubber or plastic oil resistant gloves.
Ventilation: Use under well ventilated conditions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Purple coloured liquid
Odour: Mineral oil odour
pH: N.A.

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Specific Gravity: 0.954
Vapour Pressure: N.A.
Boiling Point: N.A.
Melting Point: N.A.
Flash Point: above 140°C
Flammability: N.A.
Evaporation Rate: N.A.
Solubility in Water: Insoluble

SECTION 10 - STABILITY AND REACTIVITY

Stable under normal condition.

Materials to Avoid: Strong oxidizing agents, hydrogen peroxide, chromic acid, bromine.

Toxic compounds may form on thermal decomposition. Hazardous combustion products: carbon monoxide, carbon dioxide; oxides of barium, sulphur, nitrogen depending upon decomposition conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION

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.

SECTION 12 - ECOLOGICAL INFORMATION

No ecological information is available at present.

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SECTION 13 - DISPOSAL CONSIDERATIONS

Comply with all local and national regulations regarding disposal.

SECTION 14 - TRANSPORT INFORMATION

UN Number : Not regulated

IATA Class : Not regulated, Packing Group: Not regulated

IMDG Class : Not regulated, Packing Group: Not regulated

Not considered hazardous for transport purpose.

SECTION 15 - REGULATORY INFORMATION

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SECTION 16 - OTHER INFORMATION

R-phrases: -

S-phrases: -

**The refined light naphthenic distillate used in this product contains less than 3% DMSO extract as measured by IP 346.

Remarks: 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 for any loss, damage, or expense, direct or consequential, arising out of their use.