

# Omega 904

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## DESCRIPTION:

Omega 904 is an industrial oil concentrate, scientifically designed to improve operating efficiency and reduce maintenance downtime.

## SPECIAL ADDITIVES:

Omega 904 contains special fortifying additives, including Extreme Pressure 'EP', anti-wear and anti-oxidation.

The EP and anti-wear additives allow safe and efficient operation under high-load conditions. As pressure on the moving parts increases, ordinary oils are squeezed out, and the resultant metal-to-metal contact causes localized welding. As the pressure continues, the welds shear and are evident as areas of severe wear. Omega 904 reacts with the surface of the metal and forms a chemical compound that provides lubrication, even under extreme pressure, and therefore pre-vents any damage to the metals.

When oxidation of a petroleum lubricant takes place, its viscosity is increased and Petroleum Oxyacids (acidic contaminants) are formed. Omega 904's anti-oxidation additives eliminate these undesirable effects and give the oil a greatly extended useful service life.

## REDUCED FRICTION:

Omega 904's high melting point enables it to maintain a protective, lubricating film between the surfaces in contact, and therefore, reduces 'drag' and high operating temperatures. It also eliminates shearing, galling, plucking and seizing of machine and equipment parts.

## VERSATILITY:

Omega 904 is so versatile that it can be used in all forms of gear boxes, transfers, transmissions Vee-drives. It can also be used for all automatic or semi-automatic lube systems and can be applied to all oil lubrication systems.

**APPLICATION:**

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Omega 904 can be applied to all lubrication systems: bath, wickfeed, dripfeed and closed or pressure-fed. It can be used in hydraulic systems, transmissions, V-drives, variators, reducers, transfers and all forms of gearboxes -excluding automatic transmissions.

Add 5% maximum by volume for hydraulic systems and up to 20% for gear systems.

**TYPICAL DATA:**

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TEST	ASTM TEST METHOD	TEST METHOD
Viscosity @ 100°C, cSt	D-445	800-1200
Flash Point, °C (°F)	D-92	200(392)

# MAGNA INDUSTRIAL CO. LIMITED

*Total Quality Maintenance*

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O-904 p.1

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## MATERIAL SAFETY DATA SHEET

DATE 01-Aug-14

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### SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**Product Name/Code**                      Omega 904

**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](http://www.alshawitrading.com)  
[info@alshawitrading.com](mailto:info@alshawitrading.com)  
P.O.Box 33526

Telephone                      (852) 25775187  
Fax                                (852) 25773190

Telephone                      (973) 1755 0019  
Fax                                (973) 1755 5108

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### SECTION 2 - HAZARDS IDENTIFICATION

Not classified as hazardous.

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### 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	-

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### 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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O-904 p.2

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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.

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## 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.

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## 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.

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### ACGIH TLV

Highly refined mineral oil                      5 mg/m<sup>3</sup> (oil mist)

Eye Protection: Safety goggles and full-face shield

Hand Protection: Rubber or plastic oil resistant gloves.

Ventilation: Use under well ventilated conditions.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear amber liquid

Odour: Mineral oil odour

pH: N.A.

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O-904 p.3

Specific Gravity: 0.9  
Vapour Pressure: N.A.  
Boiling Point: N.A.  
Melting Point: N.A.  
Flash Point: above 190°C  
Flammability: N.A.  
Evaporation Rate: N.A.  
Solubility in Water: Insoluble

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## 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; aldehydes and ketones.

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## 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.

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## SECTION 12 - ECOLOGICAL INFORMATION

No ecological information is available at present.

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O-904 p.4

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## SECTION 13 - DISPOSAL CONSIDERATIONS

Comply with all local and national regulations regarding disposal.

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## 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.

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## SECTION 15 - REGULATORY INFORMATION

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## SECTION 16 - OTHER INFORMATION

R-phrases: -

S-phrases: -

\*\*The highly refined mineral oil used in this product contains less than 3% DMSO extract as measured by IP 346.

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**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.