



The Ultimate Lubricant

# 904

## 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 film strength 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 and 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:

Omega 904 can be applied to all lubrication systems: bath, wick-feed, drip-feed and closed or pressure-fed. It can be used in 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:

TEST	ASTM EST METHOD	TEST RESULT
Viscosity @ 100°C, cSt	D-455	800-1200
Flash Point, °C (°F)	D-992	204(400)

The characteristics given above are typical of current production only and slight batch to batch variations should be expected.

# SAFETY DATA SHEET



Product name: Omega 904  
Supersedes date: 2022-12-30  
Product No.:

Page: 1/10  
Last revised date: 2023-02-15  
SDS-ID: GB-EN/7.0

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name: Omega 904  
Container size: 5 l & 20 l

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Application: Additive for gear oil

### 1.3. Details of the supplier of the safety data sheet

<u>Supplier:</u>	GB importer:	<u>Distributed by:</u>	Trust Engineering Company
<u>Manufacturer:</u>	ITW PP & F Korea Limited 13th Fl., Unit B, PAX Tower 609 Eonju-ro, Gangnam-Gu Seoul, Korea 06108 Tel:+82-2-2088-3560 Fax:+82-2-513-3567 magna@magnagroup.com www.magnagroup.com	9 Abdel Hamid El Deeb Street Alexandria, 21613 Egypt T: +(20)3 5822779 T: +(20)10 1223554  5 Ahmed Shaker Street Fourth Zone Nasr City, 11586 Egypt T: +(20)2 26909965 T: +(20)10 1223553  info@trustengineering-eg.com www.trustengineering-eg.com	
<u>Further information can be obtained from:</u>	magna@magnagroup.com		

### 1.4. Emergency telephone number

Emergency telephone: Call a Poison Center, emergency number or doctor/physician.  
NHS: 111

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

CLP: The product is not classified.

### 2.2. Label elements

The substance/mixture does not meet the criteria for classification and labelling.

### 2.3. Other hazards

PBT/vPvB: This product does not contain any PBT or vPvB substances.

Other: Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema, skin cracking and oil acne. Degreasing to skin. The harmful effects may increase in used oil.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

# SAFETY DATA SHEET

Product name:	Omega 904	Page:	2/10
Supersedes date:	2022-12-30	Last revised date:	2023-02-15
Product No.:		SDS-ID:	GB-EN/7.0

---

No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

Inhalation: Move into fresh air and keep at rest. In case of persistent throat irritation or coughing or after inhalation of oil mist: Seek medical attention and bring along these instructions.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. In case of rashes, wounds or other skin disorders: Seek medical attention and bring along these instructions.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Immediately rinse mouth and drink 1-2 glasses of water. Keep person under observation. If uncomfortable: Transportation to hospital. Bring along these instructions.

### 4.2. Most important symptoms and effects, both acute and delayed

### 4.3. Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media: Small fires: Extinguish with carbon dioxide or dry powder.  
Larger fires: Extinguish with foam, carbon dioxide or dry powder.  
Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards: During fire, gases hazardous to health may be formed.

### 5.3. Advice for firefighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

---

# SAFETY DATA SHEET

Product name:	Omega 904	Page:	3/10
Supersedes date:	2022-12-30	Last revised date:	2023-02-15
Product No.:		SDS-ID:	GB-EN/7.0

---

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions: Avoid inhalation of oil mist and contact with skin and eyes. Follow precautions for safe handling described in this safety data sheet.

### **6.2. Environmental precautions**

Environmental precautions: Do not discharge into drains, water courses or onto the ground.

### **6.3. Methods and material for containment and cleaning up**

Methods for cleaning up: Absorb spillage with oil-absorbing material. Clean contaminated area with oil-removing material.

### **6.4. Reference to other sections**

References: For personal protection, see section 8.  
For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### **7.1. Precautions for safe handling**

Safe handling advice: Observe good chemical hygiene practices. Avoid prolonged and repeated contact with oil, particularly used oil. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets.

Technical measures: Use work methods which minimise oil mist production.

Technical precautions: When working with heated oil, mechanical ventilation may be required.

### **7.2. Conditions for safe storage, including any incompatibilities**

Technical measures for safe storage: No special precautions.

Storage conditions: Store in tightly closed original container.

### **7.3. Specific end use(s)**

Specific use(s): Not relevant.

---

# SAFETY DATA SHEET

Product name:	Omega 904	Page:	4/10
Supersedes date:	2022-12-30	Last revised date:	2023-02-15
Product No.:		SDS-ID:	GB-EN/7.0

---

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### **8.1. Control parameters**

No occupational exposure limit assigned. There are no ingredients, for which occupational exposure limits exist, at concentrations above the level of disclosure.

### **8.2. Exposure controls**

<u>Engineering measures:</u>	Provide adequate ventilation and minimise the risk of inhalation of vapours and oil mist. Provide access to washing facilities incl. soap, skin cleanser and fatty cream.
<u>Personal protection:</u>	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
<u>Respiratory equipment:</u>	In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3).
<u>Hand protection:</u>	Wear protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.
<u>Eye protection:</u>	Risk of splashes: Wear goggles/face shield.
<u>Skin protection:</u>	Wear apron or protective clothing in case of splashes.
<u>Hygiene measures:</u>	Wash hands after contact. Wash contaminated clothing before reuse.
<u>Environmental Exposure Controls:</u>	Not available.

---

# SAFETY DATA SHEET

Product name: Omega 904  
Supersedes date: 2022-12-30  
Product No.:

Page: 5/10  
Last revised date: 2023-02-15  
SDS-ID: GB-EN/7.0

---

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state: Amber-coloured liquid  
Odour: Almost odourless.  
Odour threshold: Not available.  
pH: Not available.  
Melting point / freezing point: Not available.  
Boiling point: Not available.  
Flash point: 200 °C  
Evaporation rate: Not available.  
Flammability (solid, gas): Not applicable.  
Explosive limits Not available.  
Vapour pressure: Not available.  
Vapour density: Not available.  
Relative density: ~0.9  
Solubility: Insoluble in water. (< 0,1 g/l)  
Partition coefficient (n-octanol/water): Not available.  
Auto-ignition temperature (°C): Not available.  
Decomposition temperature (°C): Not available.  
Viscosity: Not available.  
Explosive properties: Not available.  
Oxidising properties: Not available.  
**9.2. Other information**  
Other data: Not available.

---

# SAFETY DATA SHEET

Product name: Omega 904

Page: 6/10

Supersedes date: 2022-12-30

Last revised date: 2023-02-15

Product No.:

SDS-ID: GB-EN/7.0

---

## SECTION 10: STABILITY AND REACTIVITY

### **10.1. Reactivity**

Reactivity: Not reactive.

### **10.2. Chemical stability**

Stability: Stable under normal temperature conditions.

### **10.3. Possibility of hazardous reactions**

### **10.4. Conditions to avoid**

Conditions to avoid Avoid heat.

### **10.5. Incompatible materials**

Incompatible materials: Strong oxidising substances.

### **10.6. Hazardous decomposition products**

Hazardous decomposition products: None in particular.

---

# SAFETY DATA SHEET

Product name:	Omega 904	Page:	7/10
Supersedes date:	2022-12-30	Last revised date:	2023-02-15
Product No.:		SDS-ID:	GB-EN/7.0

---

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

STOT - Single exposure: Based on available data, the classification criteria are not met.

STOT - Repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Inhalation: Inhalation of oil mist or vapours formed during heating of the product will irritate the respiratory system and provoke coughing. Prolonged or frequent inhalation of vapours in high concentrations may cause permanent damage to the nervous system, including the brain.

Skin contact: Degreasing. Prolonged or frequent contact may cause redness, itching, irritation, eczema, skin cracking and oil acne.

Eye contact: Splashes may irritate.

Ingestion: May irritate and cause malaise.

Specific effects: Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer. The harmful effects may increase in used oil.

### 11.2. Information on other hazards

Endocrine disrupting properties: The product does not contain any substance identified as having endocrine disrupting properties.

---



# SAFETY DATA SHEET

Product name:	Omega 904	Page:	8/10
Supersedes date:	2022-12-30	Last revised date:	2023-02-15
Product No.:		SDS-ID:	GB-EN/7.0

---

## SECTION 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

Ecotoxicity: Oil spills are generally hazardous to the environment.

### **12.2. Persistence and degradability**

Degradability: The product is expected to be slowly biodegradable.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential: No data available on bioaccumulation.

### **12.4. Mobility in soil**

Mobility: No data available.

### **12.5. Results of PBT and vPvB assessment**

PBT/vPvB: This product does not contain any PBT or vPvB substances.

### **12.6. Endocrine disrupting properties**

Endocrine disrupting properties: The product does not contain any substance identified as having endocrine disrupting properties.

### **12.7. Other adverse effects**

Other adverse effects: None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements. Waste is classified as hazardous waste.

Waste from residues: EWC-code: 13 02 05

Contaminated packaging: Dispose of contaminated packings as residue.

---

# SAFETY DATA SHEET

Product name:	Omega 904	Page:	9/10
Supersedes date:	2022-12-30	Last revised date:	2023-02-15
Product No.:		SDS-ID:	GB-EN/7.0

---

## SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/AND/RID).

### **14.1. UN number**

UN-No: -

### **14.2. UN proper shipping name**

Proper Shipping Name: -

### **14.3. Transport hazard class(es)**

Class: -

### **14.4. Packing group**

PG: -

### **14.5. Environmental hazards**

Marine pollutant: -

Environmentally Hazardous substance: -

### **14.6. Special precautions for user**

Special precautions: None known.

### **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk: Not relevant.

## SECTION 15: REGULATORY INFORMATION

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulation: UK Statutory Instruments, 2021 No. 904, CONSUMER PROTECTION ENVIRONMENTAL PROTECTION HEALTH AND SAFETY. The REACH etc. (Amendment) Regulations 2021.  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.  
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 720), as amended.  
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.  
EH40/2005, Workplace exposure limits 2005, with amendments.  
The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

### **15.2. Chemical Safety Assessment**

CSA status: No chemical safety assessment has been carried out.

---

# SAFETY DATA SHEET

Product name:	Omega 904	Page:	10/10
Supersedes date:	2022-12-30	Last revised date:	2023-02-15
Product No.:		SDS-ID:	GB-EN/7.0

---

## SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

### Handling of used oils:

Protect health - avoid prolonged and repeated skin contact. Wash with soap and water. Protect the environment - do not pollute drains, water courses or the soil. Contact your local authority for any used oil disposal instructions.

The following sections contain revisions or new statements: 3, 8, 16.

Omega Manufacturing Division  
A Division of Magna Industrial Co. Limited  
18/F., Guardian House, 32 Oi Kwan Road  
Wanchai, Hong Kong  
Tel.: (852) 2577 5187  
Fax: (852) 2577 3190  
Web site: [www.magnagroup.com](http://www.magnagroup.com)

TM - The Omega<sup>TM</sup> trade mark is the property of Magna Industrial Co. Limited and its associated companies.

### Abbreviations and acronyms

used in the safety data sheet: CSA= Chemical Safety Assessment.  
PBT = Persistent, Bioaccumulative and Toxic.  
vPvB = very Persistent and very Bioaccumulative.

---

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.  
[www.dhigroup.com](http://www.dhigroup.com).

---