

Omega 608

DESCRIPTION:

Omega 608 is a chain and way lubricant specially engineered for a wide range of applications. It is a combination of superb, select base oils and highly-fortified extreme pressure supplements. It provides exceptional protection and substantially increases the operating life of equipment.

HIGH VISCOSITY:

When exposed to moisture, ordinary oils wash out, leaving the metal surface unprotected. Omega 608 features high adhesiveness agents that, despite the presence of water (constant or under pressure), provides total protection.

OXIDATION RESISTANCE:

Unlike ordinary oils that promote the accumulation of damaging deposits - such as gums, varnishes and metal-destroying carbonaceous deposits - Omega 608 helps keep applied surfaces free from blockage that would hinder smooth operation.

EXTENDED LIFE:

Compared with ordinary oils, Omega 608 has a superior degree of tenacity. It forms a tough, anti-compressive film that prevents seeping out and moving away from the contact areas. Thus, equipment life is greatly extended.

LOAD CARRYING CAPABILITY:

The base oil and supplements of Omega 608 are fortified with extreme pressure constituents. With this remarkable property, it can resist shock, load and impact and is highly recommended for even severe operating conditions. Omega 608 prevents stick slip on machine slideways.

WATER COMPATIBILITY:

Omega 608 maintains lubrication even under oil/water conditions. Ordinary oils have inadequate emulsive qualities. Thus, water seeps into the equipment easily, causing corrosion and oxidation which rapidly forms cancerous internal rusting.

ENERGY ECONOMY:

Omega 608 is designed to penetrate "oil line feeders", providing the necessary lubrication for chains and ways. Ordinary oils tend to thin out at high temperature, providing inadequate sealing to rails and ways. Rapid gum formation and sludge build-up not only slows the equipment down but also increases energy consumption.

VERSATILITY:

Omega 608 is ideal for motorcycle and bicycle chains, conveyor chains, printing machine chains, chain saws, machine ways, trolleys, hookways, mines, etc.

TYPICAL DATA:

TEST	ASTM METHOD	SAE 30	SAE 40	SAE 50
ISO Viscosity Grade	D-2422	100	150	220
Density, Kg/L @ 15.0°C	D-1298	0.892	0.897	0.905
Viscosity, cSt @ 40.0°C	D-445	100	150	220
@ 100.0°C	D-445	11.6	15.2	19.1
Viscosity Index	D-2270	104	102	102
Flash Point, COC, °C(°F)	D-92	237(459)	255(491)	257(495)
Pour Point, °C(°F)	D-97	-24(-11)	-24(-11)	-23(-9.4)
Total Acid Number, mg KOH/g	D-664	0.20	0.19	0.19
Carbon Residue, Conradson, % Mass	D-524	0.07	0.10	0.11
Rust-Preventing Characteristics	D-665	Pass	Pass	Pass
Copper Strip Corrosion, 3 hours @ 100°C	D-130	1a	1a	1a
Ash, % Mass	D-482	Nil	Nil	Nil
Steam Emulsion Number	IP-19	1200+	1200+	1200+
Timken OK Load, Kgs	D-2782	34	34	34
4-Ball, Wear Scar Dia, mm	D-2266	0.30	0.30	0.30
FZG, Stages Passed	DIN 51354	12	12	12

MAGNA INDUSTRIAL CO. LIMITED

Total Quality Maintenance

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MATERIAL SAFETY DATA SHEET

DATE 01 Aug 2014

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name/Code Omega 608

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

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

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

Highly refined mineral oil 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: Amber liquid
Odour: Mineral oil odour
pH: N.A.

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Specific Gravity: 0.90
Vapour Pressure: N.A.
Boiling Point: N.A.
Melting Point: N.A.
Flash Point: above 100°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.

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 highly refined mineral oil 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.