

Omega 59

DESCRIPTION:

Omega 59 is a sophisticated, pre-stabilized CS (Central System) lubricant. It can be applied both manually and automatically. It provides the essential high standard of long-distance pumpability demanded by CS-user industries. Pumping distances of up to 1,100 m. (3,600 ft.) without booster pumps have been achieved.

SPECIAL THICKNESS:

Omega 59 contains special temperature-resistant thickeners. These supplements provide the level of stability required for long-distance lubrication. Precise quantities of centrinitic demaskers ensure total surface protection on metal-to-metal contact areas.

OPERATIONAL EFFICIENCY:

Omega 59 actually promotes, through highly developed ionic inclusions, a long-term high-speed equipment efficiency in Central Systems. Contaminants are kept out and corrosion and oxidation are kept to a minimum.

UNIQUE CAPABILITY:

Omega 59 has a marked capacity to penetrate and permeate exceedingly difficult lubricant areas. A 7% concentration of specially-developed gellants provide the means with which to retain its loose characteristics. This capability is brought about by the inclusion of organo-montmorillonite (also known as "Monite") which promotes a 'plating' action, forming a liquid-wedge preventing metal-to-metal contact and resultant wear.

APPLICATION:

Omega 59 can be used in any and all CS equipment. It can be applied manually or automatically.

SUPPLEMENTS:

Anti-oxidants	Yes
Climatic Adjustors	Yes
Contaminant Resistors	Yes
Demulsifiers	Yes
Organo-Montmorillonite	Yes
Performance Improvers	Yes
Rust Inhibitors	Yes
Shear-stability Improvers	Yes
Vibration Resistors	Yes

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT
Mineral Oil Base: -		
Viscosity @210°F (98.8°C) , SUS	D-88	80
Flash Point, COC, °C	D-92	249
Pour Point, °C	D-97	-23
Drop Point, °C	D-566	260+
Worked Penetration @77°F, 150 gm. cone	D-217	265-295
Timken OK Load, lbs. min.	D-2509	40
Bearing Stability	D-1741	Excellent
Copper Corrosion Test	D-1402	Excellent
Humidity Corrosion @18°C, %	D-5319	0.01
Evaporation Loss	D-972	Minimal
Oil Separation, @100°C, 30 hrs. %	D-1742	3.1
NLGI Grade	-	#2
Operating Temperature Range, °C	-	-20 to 204
Color	-	Golden Bronze

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 59

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.
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Telephone (852) 25775187
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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**	64741-96-4	60-100	-
Thickener	68953-58-2	5-15	-

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: Gold sparkle semi-solid grease
Odour: Mineral oil odor
pH: N.A.

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Specific Gravity: 0.9
Vapour Pressure: N.A.
Boiling Point: N.A.
Melting Point: N.A.
Flash Point: 249°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.