

Omega 57

DESCRIPTION:

Omega 57 is a completely water-resistant, extreme-pressure bearing lubricant with mercurial wear-resistance characteristics. It contains specially-developed high-impact resisting supplements. This remarkable grease solves wheel bearing problems where heat, water and extreme conditions are present. The unique Omega Megalite supplements incorporated into Omega 57 ensure longer service life since equipment on which it is used will operate under considerably cooler conditions, thereby providing a new dimension in downtime prevention.

COHESIVE QUALITIES:

Omega 57 has the ability to resist even the most severe conditions and will not break down or disintegrate as ordinary greases will. Omega 57 will not alter or soften in wheel-bearing applications due to its resistance to high temperature.

APPLICATIONS:

Wheel bearing loads are concentrated in small areas. The points of greatest pressure are considered to be either the cone bearings or ball bearings. Water attack causes the greatest damage. Omega 57 resists water and, as a result, protects bearings from oxidation.

PRESSURE PERFECT:

Omega 57 is capable of resisting severe and continuous impact. This characteristic of the lubricant enables it to prevent wear and to allow the bearings to function (as they were designed to function) -without hindrance.

EXCELLENT SHEAR STRENGTH:

Omega 57 has excellent shear stability and very low separation. This almost unique quality provides the tenacity essential for the protection of hard wearing bearings.

FRICION OF COEFFICIENT:

Omega 57 reduces the friction of coefficient of close tolerances. Irregardless of design, Omega 57 "works" its way into the system to protect the moving surfaces - including expensive bearings.

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT		
		#1	#2	#3
NLGI Grade	-	#1	#2	#3
Mineral Oil Base: -				
Specific Gravity				
@15.0°C (60°F)	D-1298	0.9143	0.9143	0.9143
Viscosity @210°F, SUS	D-88	250-350	250-350	250-350
Viscosity Index	D-2270	110	110	110
Flash Point, COC, °C (°F)	D-92	232(450)	232(450)	232(450)
Pour Point, °C (°F)	D-97	-12(10)	-12(10)	-12(10)
Dropping Point, °C (°F)	D-566	246(475)	249(480)	249(480)
Worked Penetration @77°F,				
150 gm cone	D-217	310-340	265-295	220-250
Timken OK load, lbs. min.	D-2509	40	40	40
Rust Prevention	D-1743	#1 rating	#1 rating	#1 rating
Oxidation Stability, lbs. loss in				
100 hrs.	D-942	5 max.	5 max.	5 max.
Roll Stability, Point Change	D-1831	N.A.	40	40
Wheel Bearing Test, % loss	D-1263	N.A.	10	10
Operating Temperature Range,	-	-7 to 204	-7 to 204	0 to 204
°C (°F)		(20 to 400)	(20 to 400)	(32 to 400)
Color	-	Blue	Blue	Blue
		Sparkle	Sparkle	Sparkle

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
E-Mail: magna@magnagroup.com Web Site: www.magnagroup.com

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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 57

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	-
Highly refined mineral oil**	64741-96-4	30-60	-

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, carbon dioxide. Do not use water.

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 5mg/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: Blue

Odour: Mineral oil smell

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: Above 180°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 such as hydrogen peroxide, chromic acid, bromine.

Toxic compounds may form on thermal decomposition. Hazardous combustion products: carbon monoxide, carbon dioxide, oxides of sulphur, zinc oxide, hydrogen sulphide depending upon decomposition conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION

There is no lethal dose information available.

Inhalation: Inhalation of solvent vapours can cause irritation of the respiratory tract. High concentrations of oils, mists, sprays 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.