

Omega 64

DESCRIPTION:

Omega 64 is a scientifically-developed, ultra-tacky, heavy-duty and tenacious lubricant. Its aim is the ultimate in lubrication protection for track roller, pin and bushing systems.

BUILT TO RESIST CONTAMINATION:

Track roller systems are invariably used in areas where abnormal dust, dirt, grit and similar conditions prevail. Ordinary greases adopted for track roller systems readily absorb dust, dirt and grit. This rapidly forms an abrasive mixture that causes premature wear. Omega 64 however, has built-in 'self healing qualities' that actually form an outer shell after application. This keeps dust, dirt, grit and other contaminants out.

OXIDATION RESISTANCE:

Omega 64 has special oxidation inhibitive qualities that resist oxidation. Ordinary greases used for track roller systems easily squeeze out, leaving the vital metal surfaces exposed to oxidation. Oxidation is the forerunner of cancerous corrosion and its resultant downtime.

ESPECIALLY BUILT FOR TRACK ROLLER SYSTEMS:

Omega 64 has built-in elasticity that provides the stretchability necessary for track roller system lubrication. It contains lubrimyostic elastomers that form millions of long-strand films. These fine films perform the essential job of stress curve lu-brication during track roller link-up chain movement.

EXTREME PRESSURE:

Omega 64 is loaded with extreme-pressure supplements that resist-

Compression	Impact	Loading
Velocity	Shock	Force
Pressure	Squeeze Out	

RESISTS SQUEEZE-OUT:

Omega 64 stays in position after application. Ordinary greases form large periphery deposits that absorb contaminants and eventually break loose and damage the system. Omega 64 retains its NLGI 00 texture and will not squeeze out. It forms an even, balanced lubricant layer of 'bearings' between frictional faces.

TEMPERATURE-STABLE:

Omega 64 retains its texture at both high and low temperatures. At high temperature, ordinary greases thin out, become liquid and drip off the surfaces intended for lubrication. At cold temperatures, most greases become hard and solidify making lubrication impossible and, during the solidifying process, cause extreme drag and thereby waste energy.

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT
Mineral Oil Base: -		
Viscosity @100°F, SUS	D-88	3000
Flash point, COC, °C (°F)	D-92	185(365)
Dropping Point, °C (°F)	D-566	Not Applicable
Worked Penetration @25°C	D-217	400-430
Rust Prevention	D-1743	#1 rating
Oxidation Stability, P.S.I. drop in 100 hrs	D-942	5 max.
Water Washout, % loss after 2 hrs. @175°F	D-1264	4
Extreme-Pressure Properties	D-2596	#1 rating
Oil Separation, %	D-1742	Nil
Evaporation loss, % loss, 500 hrs.	IP183/63T	0.07
NLGI Grade	-	#00
Operating Temperature Range, °C (°F)	-	-7 to 149 (20 to 300)
Color	-	Grey

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 64

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
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P.O.Box 33526

Telephone (852) 25775187
Fax (852) 25773190

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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	-
Graphite	7782-42-5	1-10	-

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/m ³ (oil mist)
Graphite	2 mg/m ³

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: Dark brown semi-solid grease

Odour: Mineral oil odor

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pH: N.A.
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, 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.