

Omega 99

DESCRIPTION:

Omega 99 is an acid-resistant, water-proof, alkali-proof, high heat resistant, metal preserving lubricant. It prevents metal seizure and enhances the ease with which equipment can be efficiently dismantled for maintenance purposes.

THREAD LUBRICANT:

Omega 99 is also an advanced thread lubricant that forms a life-long protection shield against oxidation and its cancerous, corrosive results.

RELEASE ACTION:

Omega 99 contains a proprietary package of additives that dissolve any existing formations of corrosion and rust, leaving the metal surface as good as new. It can be used as a releasing agent for corrosively-interlocked parts, components and fasteners.

MICRONIZED METALS:

Omega 99 contains highly micronized metals that fill in pitted, corroded areas. This action is not only one of protection, but also one of repair to the metal surface.

CORROSION- INHIBITING INGRIDIENT:

Omega 99 contains synergistic corrosion-inhibiting additives that become highly active when brought into contact with the molecular formation of oxides (due to corrosion and rusting). A rapid disintegration action takes place, whereby the oxides are rendered neutral. This in turn protects the metal surface from corrosion.

STRONG PHYSICAL PROPERTIES:

Omega 99 provides long-term protection and dismantling ease because it

dissolves the interlocking problems caused by oxidation. It forms a fine, tough lubricant film that shields the metal below.

Ordinary solvents used for releasing, often do considerably more damage to the parts, components and the surrounding areas, than they do releasing the interlock. Omega 99 is completely harmless and will not damage or corrode surrounds and intricate components locked into the trouble area.

NON-TOXIC:

Omega 99 is non-toxic and can be used in both open and confined spaces.

LONG-TERM PROTECTION:

Omega 99 provides long-term protection that will not wash away or evaporate over extended periods.

PENETRABILITY:

Omega 99 has unparalleled penetration capabilities. Not only does it get down under heavy corrosive areas and release interlocked parts, but it also penetrates the fine pores in the metal surfaces and lifts the secondary corrosion formations, thereby ensuring that rust is inhibited and seizure of parts is brought to a halt.

EASE OF APPLICATION:

Omega 99 can be used on almost all areas. It releases and protects nuts, bolts, studs, gaskets, washers, plugs, tube connections, steam pipes and fluid carriers.

APPLICATION:

Ideally Omega 99 should be used on all components and parts BEFORE the cancer of rust sets in, especially on such applications as conveyers, carriers, generators, scaffolding, lift erector cranes and hoists, cable joints, studs, turbines and crankpins, bearings and tracers, cams and lifter, joints and fittings and similar corrosion-prone apparatus.

OPERATING TEMPERATURE RANGE:

Omega 99 remains completely stable over an extreme temperature range of -130°C to 1093°C (or -200°F to 2000°F). This makes Omega 99 suitable for 99% of operating conditions on any type of machinery or equipment.

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 99

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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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	30-60	-
Copper	7440-50-8	1-20	-
Graphite	7782-42-5	1-10	-
Aluminium	7429-90-5	1-5	F;R10-15

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.

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Ingestion: Do not induce vomiting. Seek immediate medical attention.

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, state and federal 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

Aluminium	10mg/m ³ (metal)
Mineral base oil	5mg/m ³ (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: Silver-bronze

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Odour: Mineral oil smell
pH: N.A.
Specific Gravity: 1.31
Vapour Pressure: N.A.
Boiling Point: N.A.
Melting Point: N.A.
Flash Point: C.O.C. 213°C
Flammability: N.A.
Evaporation Rate: N.A.
Solubility in Water: Insoluble

SECTION 10 - STABILITY AND REACTIVITY

Stable

Materials to Avoid: Strong acids, strong bases, strong oxidizing agents, chlorinated hydrocarbons, bromates, chlorates, iodates.

Toxic compounds may form on thermal decomposition. Hazardous combustion products: toxic nickel carbonyl may form during fires; also, carbon monoxide, carbon dioxide, oxides of sulphur and nitrogen, toxic metal fumes and oxides.

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. Inhalation of metal dusts can cause pneumoconiosis of metal-fume fever - however, this is judged unlikely considering the form of this product.

Skin: May cause irritation, drying and cracking.

Eyes: Cause irritation.

Ingestion: May cause irritation and burning pain in mouth and stomach, thirst, nausea, vomiting, diarrhoea, with possible collapse if large amounts ingested. Aspiration of material upon vomiting may cause chemical pneumonitis.

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SECTION 12 - ECOLOGICAL INFORMATION

No ecological information is available at present.

SECTION 13 - DISPOSAL CONSIDERATIONS

Comply with all federal, provincial and local 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: R10 – Flammable
R15 – Contact with water liberates extremely flammable gases.

S-phrases: -

**The mineral base 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.