

Omega 609

DESCRIPTION:

Omega 609 is an all-new, Food Grade Air-Line Lubricant made from the purest, refined base oils that heralds a new level of safety with in-built safeguards should the product accidentally or through operating conditions, come into incidental contact with food or beverage processing, pharmaceutical, or sanitation process equipment.

HIGH PERFORMANCE LUBRICANT:

Due to the air pressures and contaminants often inherent with the operation of air-line equipment, the ability of Omega 609 to prevent the formation of blockage elements in valves, airways, nozzles and hoses provides enhanced safety, coupled with consistent operating environment air pressures.

Omega 609 positively prevents 'curdling' when it comes into contact with water and/or moisture and cannot therefore interfere or form hard blockages at the connection stages of air line equipment. Omega 609 ensures free flowing properties are maintained throughout the equipment on which it is used.

SUPERIOR STABILITY UNDER VIRTUALLY ANY CONDITION:

Omega 609 features an extremely stable viscosity profile under varying operating conditions and maintains its consistent flow characteristics at virtually any operating temperature that air line equipment is normally subjected to.

Unlike ordinary lubricants, Omega 609 shows very little viscosity fluctuation under high or low operating temperature conditions and even under cyclic temperature conditions. This characteristic provides "peace-of-mind" lubrication that engineers often require but seldom obtain from ordinary low-performance lubricants.

SAFETY SUPERIOR TO ANY ORDINARY LUBRICANT:

Omega 609 easily meets or exceeds safety requirements due to its Food Grade qualities of purity and its high performance lubrication which maintains equipment in top operating condition. Omega 609 also satisfies the lubrication requirements for pneumatic air-tools that require a high purity lubricant.



Nonfood Compounds Program Listed
Category Code : H1
Registration Number : 124233

OUTSTANDING PROTECTION FROM OXIDATION:

Omega 609 contains special additives that provide outstanding resistance to oxidation. This protection extends to all feedlines and parts through which Omega 609 flows. This outstanding oxidation resistance property is extremely important to machinery and parts life due to the continuous introduction of air in air line equipment which causes ordinary oils to oxidize rapidly.

Omega 609 also feature negligible "volume displacement" action to resist foaming more effectively than ordinary air line lubes. This provides additional operational savings since feedline foaming causes wastage by increasing application feed rates unnecessarily.

The combination of far superior oxidation resistance and lower foaming provides for substantial long term savings for air line systems using Omega 609.

TYPICAL DATA:

TEST	ASTM TEST METHOD	SAE 10
ISO Viscosity Grade	D-2422	32
Appearance	Visual	Water White
Density, Kg/L @ 15°C	D-1298	0.869
Viscosity, cSt @ 40°C	D-445	32
@100°C	D-445	5.8
Viscosity Index	D-2270	116
Flash Point, COC, °C(°F)	D-92	198 (388)
Pour Point, °C(°F)	D-97	-15 (5)
Total Acid Number, mg KOH/g	D-974	0.8
Forming Characteristics - All Sequences, After Settling	D-892	Nil
FZG Gear Test, Failure Stage Load	DIN 51354	11
Rust-Preventing Characteristics,	D-665 (B)	Pass
Copper Strip Corrosion, 3 hours @ 100°C	D-130	1b
Oxidation Characteristics, Hours to TAN 2.0	D-943	>1200
Zinc, % Mass	-	Nil
Ash, % Mass	-	Nil

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 609

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>
Technical white oil	8042-47-5	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.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ACGIH TLV

White 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: Near water white

Odour: Mineral oil odour

pH: N.A.

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Specific Gravity: 0.87
Vapour Pressure: <0.01 mmHg @25°C
Boiling Point: >250°C
Melting Point: N.A.
Flash Point: 198°C
Flammability: N.A.
Evaporation Rate: N.A.
Solubility in Water: <0.1g/l

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: incomplete combustion and high temperature thermal decomposition promote oxides of carbon, nitrogen, sulphur and phosphorus.

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: -

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.