

DESCRIPTION:

OMEGA 631 Superior Quality Engine Oil is a unique neutral engine oil engineered to optimize engine performance with its high purity lubrication characteristics. Guaranteeing an unmatched lubricity, OMEGA 631 significantly extends oil change periods and improves resistance to oxidation and corrosion. Its high viscosity ensures superior engine protection in the most demanding operating conditions and fluctuation in temperatures. OMEGA 631 is the genuine all-climate super engine oil.



KEY BENEFITS:

- ❑ Optimized engine efficiency, yet with longest top-up / oil change cycle
- ❑ Suitable for use under extreme climatic conditions
- ❑ Genuinely made from prime Pennsylvania paraffinic neutral oils for the most reliable and outstanding lubrication performance
- ❑ Proven built-in versatility for the widest applications in virtually all engines – reduce stock-keeping costs for commercial fleets & industrial plants
- ❑ OMEGA's state-of-the-art proprietary *Megalite** supplements coat and protect surfaces to minimize metal-to-metal contact



The newest 1 litre pack size introduced to satisfy the popular demand in auto / boating markets and lighter industries



OMEGA 631 in 5 & 20 ltr. pack sizes

RESIDUE RESISTANT:

OMEGA 631 Super Quality Engine Oil offers outstanding lubricity as well as performance stability at high temperatures, therefore 'boiling-off' is prevented and effective lubrication is ensured. The risk of "boiling-off", normally as one of the major causes of carbon build-up with ordinary engine oils, is minimized with the application of OMEGA 631.

QUALITY BASE STOCKS:

OMEGA 631 is manufactured from the highest quality Pennsylvania paraffinic neutral base stocks. This top quality base oil eliminates saturation caused by unfavorable molecular activity and oxidation. The paraffinic base stocks used by OMEGA are considered by petro-engineers as the finest that money can buy.



Rotary engine

ADDITIVE PACKAGE ADVANTAGE:

OMEGA 631 Superior Quality Engine Oil is formulated with the most advanced additive package featuring the OMEGA's proprietary *Megalite*★ supplements. OMEGA *Megalite*★ enhances the overall lubricity by its unique polymeric protection characteristics.

OMEGA 631's advantageous additive package also contains detergent and dispersant additives that keep rocker covers, valve lifters, oil screens, pistons rings and lubricate surfaces free from harmful sludge.

APPLICATIONS:

OMEGA 631 Super Quality Engine Oil is approved for applications in all high performance gasoline engines. It is specially recommended for Rotary Engines.

OMEGA 631 is also suitable for gasoline (petrol) and light-duty, naturally aspirated diesel engines



Agriculture turf engine

OMEGA 631 meets or exceeds the following operational specifications:

- ❑ Ford M2C-153E
- ❑ Rover RES.22.OL.G-4
- ❑ Mercedes Benz MB 229.1
- ❑ Volkswagen 502/505
- ❑ API Service Classifications: SM, SL, SJ/CF, CD
- ❑ ACEA Classifications: A3/B3/B4-08



OMEGA 631 meets or exceeds the engine specifications of major auto-manufacturers

TYPICAL DATA:

TEST	ASTM TEST METHOD	SAE 10W40	SAE 20W50
Appearance	--	Red	Red
Density, Kg/L	D-1298	0.885	0.893
Viscosity, cP	D-2602	3063 at -25°C	8240 at -15°C
Viscosity, cSt @ 40°C	D-445	103.3	164
Viscosity, cSt @ 100°C	D-445	14.0	18.0
Viscosity Index	D-2270	137	122
Flash Point, COC, °C (°F)	D-92	223(433)	243(469)
Pour Point, °C (°F)	D-97	-36(-33)	-24(-11)
Total Base Number, mg KOH/g	D-2896	8.88	8.88
Foaming Characteristics -			
All Sequences, After 10 Minutes Settling	D-892	Nil	Nil
Ash, Sulphated, % Mass	D-874	1.068	0.99
Calcium, % Mass	D-4951	0.273	0.273
Zinc, % Mass	D-4951	0.114	0.114
Nitrogen, % Mass	D-5291	0.081	0.081
Phosphorus, % Mass	D-4951	0.104	0.104

The characteristics given above are typical of current production only and slight batch to batch variations should be expected.

MAGNA INDUSTRIAL CO. LIMITED

Total Quality Maintenance

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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 631

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>
Heavy solvent-dewaxed paraffinic oil**	64742-65-0	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. 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: Red fluoro liquid
Odour: Mineral oil odour
pH: N.A.

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Specific Gravity: 0.90
Vapour Pressure: N.A.
Boiling Point: N.A.
Melting Point : N.A.
Flash Point: above 100°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: -

IATA Class: Not regulated, Packing Group: -

IMDG Class: Not regulated, Packing Group: -

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.