

# Omega 657

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## DESCRIPTION:

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Omega 657 is a high quality, high shock load-resistant (HSLR) cutting oil developed for machining tough ferrous alloys, mild steel and cast iron. Omega 657's special HSLR additives make this lubricant especially effective for:

- High cutting output machinery.
- Machining toughened alloys.
- Severe cutting techniques such as broaching.

## VERSATILE APPLICATION:

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Omega 657 is highly effective in various machining operations. It will provide faster, cleaner cuts in: -

- Milling
- Drilling
- Turning
- Thread Cutting
- Grinding
- Tapping
- Light and Medium Duty Broaching

## HIGH WORKING SPEED:

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With Omega 657, machining time for tough ferrous alloys is reduced dramatically. Omega 657's HSLR properties provide exceptionally high speed machining thereby increasing the rate of production.

## SUPER ENHANCED ACCURACY:

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The transparent quality of Omega 657 helps to reduce costly spoilage of work pieces. Clearer observation of the work piece during machining increases working accuracy and reduces errors.

## SAVES LABOUR, SAVES TIME:

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Omega 657's HSLR additives eliminate the need for surface finishing after machining. This special cutting oil promotes neat machining. There is no need to file down or polish the machined piece in most applications and therefore eliminates a normally required production step.

## EXTENDED TOOL LIFE:

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Omega 657 extends the work life of tools and bits. Stress and strain during machining of toughened alloys is largely eliminated, reducing the frequency of costly stoppages to replace worn bits or, if the tooling breaks down, to repair/replace the broken part.

#### **BUILT-IN SAFETY FEATURES:**

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Omega 657 does not emit any nauseating fumes. Machining in confined spaces is possible. It is also a non-irritant and no special precaution or safety equipment is required normal handling.

# MAGNA INDUSTRIAL CO. LIMITED

*Total Quality Maintenance*

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## MATERIAL SAFETY DATA SHEET

DATE 01 Aug 2014

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### SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**Product Name/Code**                      Omega 657

**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](http://www.alshawitrading.com)  
[info@alshawitrading.com](mailto:info@alshawitrading.com)  
P.O.Box 33526

Telephone                      (852) 25775187  
Fax                                (852) 25773190

Telephone                      (973) 1755 0019  
Fax                                (973) 1755 5108

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### SECTION 2 - HAZARDS IDENTIFICATION

Not classified as hazardous.

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### 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	-

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### 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.

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## 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.

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## 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.

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### ACGIH TLV

Highly refined mineral oil                      5 mg/m<sup>3</sup> (oil mist)

Eye Protection: Safety goggles and full-face shield

Hand Protection: Rubber or plastic oil resistant gloves.

Ventilation: Use under well ventilated conditions.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber liquid

Odour: Mineral oil odour

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pH: N.A.  
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

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## 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.

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## 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.

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## 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.

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## 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.

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## 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.

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**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.