

# Omega 636

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## DESCRIPTION:

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Omega 636 is a universal, multi-purpose lubricant designed for maximum surface penetration power, superior water displacement capability and engineered for a wide variety of applications in the workshop for maintenance.

## SURFACE PROTECTION

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Omega 636 offers an unprecedented standard of protection for metal surfaces against corrosion caused by oxidation. Not only does this product penetrate the metal surface, it also leaves a thin protective surface film that resists oxidation, rust and corrosion.

## RUST PROTECTION:

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Omega 636 is so versatile that can be used as a rust protection before applying other heavy-duty anti-corrosion coatings or treatments (excluding paints or primers, since Omega 636's oiliness will affect surface adhesion).

## LONG LASTING:

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Unlike ordinary penetrating oils and water displacers that easily become unstable, Omega 636 retains its stability through specially-formulated thermally stable additives that ensure long-lasting protection.

## UNYIELDING LUBRICITY:

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Omega 636's viscous lubricating film greatly reduces friction, heat and wear. Pressure-activated EP additives effortlessly overcome lubricating emergencies such as when sudden and/or excessive pressure threatens to rupture the lubricating film to cause disastrous metal-to-metal contact.

**APPLICATION:**

Omega 636 can be used in all medium to small size machinery and equipment as a rust inhibitor, surface protector, fingerprint and perspiration suppressant and active water displacer. It can also be used as a light-duty lubricant during deep penetrator applications. Unlike cheap kerosene/light oil products that easily wash off, Omega 636 stubbornly adheres. Apply in a sprayer, as a drip, with a brush or as a dip.

**TYPICAL DATA:**

TEST	ASTM TEST METHOD	TEST RESULT
Appearance	Visual	Transparent Green
Density, Kg/L @ 15°C	D-1298	0.843
Viscosity, cSt @ 40°C	D-445	9.8
Flash Point, COC, °C(°F)	D-92	67(152.6)
Pour Point, °C (°F)	D-97	-17(1.4)
Film Thickness @25°C(76°F)	Proprietary	0.2 mil
Coverage @25°C (76°F) sq. ft/U.S. gallon	Proprietary	3000
Water Displacement Characteristics	Proprietary	Pass
Rust-Preventing Characteristics - Cast Iron Chips, RH100%, 72 hrs.	Proprietary	Pass

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

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## MATERIAL SAFETY DATA SHEET

DATE 02 Mar 2015

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

**Product Name/Code** Omega 636

**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

### SECTION 2 - HAZARDS IDENTIFICATION

Harmful.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS Number</u>	<u>Wt.%</u>	<u>Classification</u>
Naphtha (petroleum), Hydrotreated heavy**	64742-48-9	30-60	Xn;R65,R66
Highly refined mineral oils	64742-65-0	30-60	-
2-butoxyethanol	111-76-2	1-5	Xn;R20/21/22 Xi;R36/38

### 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.

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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, 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.

Vapours are heavier than air and may travel along the ground or be moved by ventilation.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

	<u>ACGIH TLV</u>
Highly refined mineral oils	5mg/m <sup>3</sup> (oil mist)
Naphtha (petroleum) hydrotreated heavy	5mg/m <sup>3</sup> (oil mist)
Butyl cellosolve	25 ppm

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: Green fluid  
Odour: White spirit smell  
pH: N.A.  
Specific Gravity: 0.843  
Vapour Pressure: 1  
Boiling Point: 145°C  
Melting Point: N.A.  
Flash Point: >67°C  
Flammability: N.A.  
Evaporation Rate: <1 (Ether=1)  
Solubility in Water: Insoluble

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## SECTION 10 - STABILITY AND REACTIVITY

Stable

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

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 solvent vapours can cause irritation of the respiratory tract. High concentrations of oils, mists, sprays 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

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cause chemical pneumonitis.

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## SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Oil spills are generally hazardous to the environment.  
Other adverse effects: The product contains volatile, organic compounds which have a photochemical ozone creation potential.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

Comply with all 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: R20/21/22 – Harmful by inhalation, in contact with skin and if swallowed.  
R36/38 – Irritating to eyes and skin.  
R65 – Harmful: may cause lung damage if swallowed.  
R66 – Repeated exposure may cause skin dryness or cracking.

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\*\*The highly refined mineral oil used in this product contains less than 3% DMSO extract as measured by IP 346.

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