

# CORIUM Z199 Super Silicone Lubricant

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## DESCRIPTION

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Corium Z199 is a super silicone designed to lubricate and preserve any material against heat, cold, moisture, weathering and corrosion. Aerosol packed.

## TYPICAL APPLICATIONS FOR CORIUM Z199:

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### In the Workshop:

Lubricate threads of studs, bolts, adjusting screws. Spray Corium Z199 in a nut and you can tighten the bolt tighter to ensure greater holding power, thus preventing machinery from going out of alignment because of loose bolts. Lubricates and preserves all rubber parts, wiring, and seals, gaskets and threads. Prevents glass from misting. Use to keep solder from sticking where it is not wanted.

### In the Home:

Keeps stove burner reflectors clean; makes oven cleaning easier. Protects aluminium screens and doors. Keeps power mower ignition systems dry. Prevents freezer trays from sticking. Waterproofs fishing lines and keeps lines afloat. Prevents shorting of ignition coils and spark plugs on outboard motors.

### In the Garage:

Eliminates squeaks and sticking of weather stripping. Lubricates trunk lids, rubber contact points, doors, windows. Excellent as preservative for under carriage mountings. Eases lowering and raising of window channels. Keeps locks trouble free. Lubricates antenna. Waterproofs ignition wiring, spark plug insulators, distributor caps, magnetos and prevents shorts.

## ADVANTAGES OF CORIUM Z199:

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### High Silicone Content:

In a silicone lubricant, it is the silicones that do the work. Ordinary silicone aerosol products contain two to six percent silicone, unlike Corium Z199, which has a much higher silicone content. Corium Z199 was originally developed for U.S. Government military aircraft ignition systems, but now is available for all industry.

The special silicones used in Corium Z199 are not affected by extreme heat or cold. In most applications, neither water nor weather can wear it away. Corium Z199 will make any sticky spot slick and provide better protection than most ordinary materials. There are other silicone aerosol products on the market, but these generally have a low silicone content.

Corium Z199 is high in silicone - the other products are priced lower because they are diluted with solvents and cheap fatty acids which are cheaper than silicone. They are thin and watery and run off weather stripping. Ordinary silicone lubricants are sticky and gummy and attract harmful dirt.

Corium Z199 leaves a clear film with moisture resistant, non-flammable, long wearing and odorless properties.

## HOW TO APPLY

Corium Z199 leaves a clear film that is non-flammable, long-wearing, odorless and will not melt, freeze, gum or become rancid. It contains a high percentage of silicones unlike other diluted silicone sprays.

Corium Z199 lubricates all surfaces including wood, plastics, metals, fabrics and rubber. It also waterproofs and protects leather, wood, chrome, canvas, and ignition systems.

**APPLICATION:**

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1. Shake can thoroughly.
2. Hold can 100-150 mm (4-6") from area to be treated and spray.
3. This aerosol product operates best at room temperatures of between 15° to 30°C (60°-86°F).
4. After application, invert can spray until clear gas appears to prevent nozzle clogging.

**IMPORTANT:**

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Strictly observe all safety precautions relevant to the use of an aerosol Product and/or printed on the can's label.

# 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** CORIUM Z199

#### 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

Flammable product

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS Number</u>	<u>Wt.%</u>	<u>Classification</u>
Naphtha (petroleum), hydrotreated light*	64742-49-0	30-60	F;R11 Xn;R65 Xi;R38,R67 N;R51/53
Butane**	106-97-8	20-40	Fx;R12
Propane**	74-98-6	10-30	Fx;R12

### 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, waterfog, foam, sand and carbon dioxide.

Special Protective Equipment for Fire Fighters: Self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: At elevated temperature (over 50C) cans may burst, vent or rupture.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spillage: Avoid breathing vapours. Ventilate area. Remove all sources of ignition. Clean up area with absorbent material and place in closed containers for disposal in accordance with local and national regulations.

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## SECTION 7 - HANDLING AND STORAGE

Do not incinerate containers. Store in place where temperature may not exceed 50°C. Do not stick pin, nail or any other sharp object into opening on top of can. Do not spray in eyes. Do not take internally.

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### ACGIH TLV

Naphtha (petroleum), hydrotreated light	353 ppm
Isobutane/Propane	1000 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: Clear liquid

Odour: Solvent odour

pH: N.A.

Specific Gravity: 0.78

Vapour Pressure: In container 52 +- 5psig

Boiling Point: Propellant below -18°C

Melting Point: N.A.

Flash Point: Propellant below -7°C

Flammability: Flammable

Evaporation Rate: >1 (Ether = 1), propellant only

Solubility in Water: Insoluble

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## SECTION 10 - STABILITY AND REACTIVITY

Stable

Materials to Avoid: Strong oxidizing agents, hydrogen peroxide, chromic acid, bromine.

Toxic compounds may form on thermal decomposition. Hazardous combustion products: Carbon dioxide, carbon monoxide, dense smoke.

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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. Do not breathe spray or vapours.

Skin: May cause irritation, drying and cracking.

Eyes: Cause irritation.

Ingestion: Not a likely route of exposure. If swallowed, 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

Proper Shipping Name : AEROSOLS, FLAMMABLE (FLAMMABLE GAS).

UN Number: 1950

IATA Class: 2.1, Packing Group: -

IMDG Class: 2.1, Packing Group: -

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## SECTION 15 - REGULATORY INFORMATION

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## SECTION 16 - OTHER INFORMATION

R-phrases: R11 – Highly flammable.  
R12 - Extremely flammable.  
R38 - Irritating to the skin.  
R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 – Harmful: may cause lung damage if swallowed.  
R67 – Vapours may cause drowsiness and dizziness.

S-phrases: S2 Keep out of reach of children.  
S9 Keep container in a well ventilated place.  
S16 Keep away from sources of ignition – No smoking.  
S23 Do not breathe gas.  
S24 Avoid contact with the skin.

S38 In case of insufficient ventilation, wear suitable respiratory equipment.

\*The naphtha (petroleum), hydrotreated light used in this product contains less than 0.1 % W/W benzene.

\*\*The isobutene/propane used in this product contains less than 0.1% W/W 1,3 butadiene.

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