

CORIUM Z253 Spray-On Gear & Wire Lubricant

DESCRIPTION

Corium Z253 Gear and Wire Lubricant is a specially developed high-performance product that penetrates the microscopic pores of treated metal surfaces to ensure unprecedented lubrication to all treated parts.

OUTSTANDING PERFORMANCE

Corium Z253 penetrates and lubricates and displays the following additional features: -

1. It withstands high pressure.
2. It is immune to severe and continuous high temperature.
3. It will not wash off or weather off.
4. It does not brittle or break down even in difficult applications.
5. It protects treated surfaces and parts from rust and actually displaces water.
6. It can safely be used on equipment while in operation to eliminate the need to shut down machinery.

EASY-TO-USE

Corium Z253 does not require any pre-heating, preparation or mixing prior to application and can be sprayed on in seconds to reach even the most inaccessible parts of the equipment.

Its black color acts as a visual indicator to eliminate wastage and incomplete coverage.

It can be sprayed directly onto required wire ropes and gears but to ensure complete penetration and to eliminate contamination with previously applied lubricants, it is recommended that a non-residue type cleaner/degreaser like Corium Z129 be used to clean surfaces prior to applying Corium Z253.

MANY ADDITIONAL APPLICATIONS

In addition to use as a wire rope and gear lubricant, Corium Z253's many outstanding features make it ideal for:

1. Chains and cogs.
2. Hinges and locks.
3. Penetrating lubrication of all metal moving parts.
4. Tools and machinery.
5. Fans and motors.
6. Switches and controls.
7. Plumbing hardware.
8. Vehicle moving parts.
9. Railing, sidings and sliding rails and roller guides.
10. Tracked construction equipment.
11. Bushings and railings.
12. Ball and roller bearings and presses.
13. Drills and lathes.
14. Pipe sealing and joints, and many others.
15. Lifts and escalators.
16. Cranes and forklifts.

HOW TO APPLY

No pre-heating, preparation or mixing is required and Corium Z253's hard-penetrating aerosol spray reaches the hardest-to-reach spots in seconds.

SURFACE PREPARATION

Although Corium Z253 can be applied directly onto surfaces to be treated, it is advisable to remove the prevalent grease or oil (which may have broken down or is contaminated) to ensure complete penetration coverage.

Corium Z129 chemical cleaner/degreaser is specially recommended for surface cleaning prior to applying Corium Z253.

APPLICATION

1. Warm the can to room temperature (15°-25°C or 60°-78°F).
2. Shake can well.
3. Hold can 150-200mm (6-8") from surface and spray.
4. After application, invert can and spray until clear gas appears to prevent nozzle clogging.

IMPORTANT

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

1801, Guardian House, 32 Oi Kwan Road, Wanchai, Hong Kong Tel: (852) 2577 5187 Fax: (852) 2577 3190
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 CORIUM Z253

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

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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>
Asphalt, oxidized	64742-93-4	30-60	-
Petroleum distillate	64742-54-7	10-30	Xn;R65 N;R51/53
Butane*	106-97-8	10-30	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.

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.

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.

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.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ACGIH TLV

Solvent deasphalted residual oil	5 mg/m ³
Highly refined mineral oil	5 mg/m ³
Petroleum distillate	5 mg/m ³
Butane/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: Dark amber viscous liquid

Odour: petroleum distillate odour

pH: N.A.

Specific Gravity: N.A.

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

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.

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.

SECTION 13 - DISPOSAL CONSIDERATIONS

Comply with all local and national regulations regarding disposal.

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: -

SECTION 15 - REGULATORY INFORMATION

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SECTION 16 - OTHER INFORMATION

R-phrases: R12 - Extremely flammable.
R51/53 – Toxic to aquatic organism, may cause long-term effects in the aquatic environment.
R65 – Harmful: may cause lung damage if swallowed.

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 butane/propane used in this product contains less than 0.1% W/W 1,3 butadiene.

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.