

CORIUM Z127 “Bolt-Ease” Advanced Penetrating Oil

DESCRIPTION:

Corium Z127 is a special maintenance-formulated product designed to ease the arduous problems of seizure, corrosion and rust-frozen components so common in maintenance. It is aerosol packaged which makes it possible with the tip of your fingers to force this special penetrant into the tightest and hardest-to-reach crevices. Also available for bulk users as Corium Z1270.

DISSOLVES RUST:

Corium Z127 is a completely new type of rust dissolver which is the result of two years of research. It not only puts an oily film on rust, but actually dissolves the rust chemically, and has such an acid affinity for rust that it converts it from a solid to a liquid state without heat. Corium Z127 has been designed to work on rust the same way that water dissolves salt. Just a spray of Corium Z127 on treated surfaces and the rust will liquefy hundreds and hundreds of degrees below its melting point - it melts the most stubborn rust in seconds.

SUPER PHYSICAL PROPERTIES:

Corium Z127 has many superior physical properties:-

- absolutely non-toxic
- non-irritating and no nauseating odors
- will not separate during storage
- will not gum or harden on exposure to air
- flash point - minimum 50°C (122°F)
- fire point - minimum 54°C (129°F)
- corrosion - nil

VERSATILITY:

Corium Z127 turns frozen rust into liquid and is used on thousands of different types of applications from embalmers' needles to bulldozers. It has an unquestionably effective double action on even the most stubborn or deeply-ingrained solids.

HOW TO APPLY

Corium Z127 is non toxic, non irritating and has no nauseating odor. It eliminates breakage of rust frozen threaded parts and time consuming drilling and tapping.

APPLICATION:

1. Shake can thoroughly.
2. Hold can 100-150 mm (4-6") from parts to be treated and spray.
3. After application, invert can and spray until a 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 Z127

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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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>
White spirits	mixture	10-30	-
Naphtha (petroleum), hydrotreated heavy*	64742-48-9	10-30	Xn ;R65, R66
2-Butoxyethanol	111-76-2	1-5	Xn;R20/21/22 Xi;R36/38
Butane**	106-97-8	10-30	F+;R12
Propane**	74-98-6	10-30	F+;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

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irritation or other cause for concern.
Inhalation: Move patient to open air.
Ingestion: Do not induce vomiting. Seek immediate medical attention.

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

High flash point solvent	5 mg/m ³
2-Butoxyethanol	25 ppm
Highly refined minerals oils	5 mg/m ³
Propane/butane	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: Lime green liquid

Odour: White spirit odour

pH: N.A.

Specific Gravity: 0.84

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
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

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 highly refined mineral oil used in this product contains less than 3% DMSO extract as measured by IP 346. The petroleum naphtha used in this product contains less than 0.1% W/W benzene.

**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.