

# CORIUM Z107 Battery Cable & Terminal Protector

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Corium Z107 is a specially refined compound developed for a special purpose. In its handy aerosol package, Corium Z107 controls corrosion, and protects and preserves battery terminals and cables. Because of its exclusive formulation developed especially for this purpose, it is being called by many maintenance departments as an "Important contribution to battery servicing". This product is also available in bulk packaging as Corium Z1070 for large users. Corium Z107 has these advantages:

## **TIME SAVING EASE OF APPLICATION:**

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In the past, battery terminal maintenance has been a time consuming, troublesome phase of maintenance. The maintenance man has been required to completely remove the battery and cables, aside from the normal problems encountered in such an operation, the nuts on the hold down brackets and cables themselves are generally corroded and difficult to remove. When this is accomplished, the maintenance man then had to scrub down the terminals with hot water, which was at best a messy, unpleasant job. The task was not yet completed, though, because the battery still had to be replaced and the terminals greased. Additionally the protection afforded by this process was only marginal because the protective grease was soon washed away. At best, this major servicing operation lasted about two to three months.

Corrosion occurs when clean terminals and cables react with the battery acid or its fumes. Now all that is required is a quick spray with Corium Z107. The deposit forms an impervious and non reactive film over all terminals and cables effectively sealing out all corrosion.

## **SAVINGS IN LABOUR AND MATERIAL COSTS:**

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When introduced in a national trucking company's fleet maintenance program, Corium Z107 cut battery maintenance costs drastically. In the six months directly following the test, not a single battery cable was replaced. Additionally battery replacements were also reduced.

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Magna Industrial reserves the right to modify or change this product for purposes of improving its performance characteristics.

CPIM Z107.1	Version 1.0	Revision 1.0	Rev. Date: February 17, 2000	Reference: LUN
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**USE CORIUM Z107 FOR:**

1. Battery terminals
2. Cables
3. As an insulator
4. Lift Trucks
5. Anti-corrosion Preservative

## HOW TO APPLY

**APPLICATION:**

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Terminals, cables and parts should be cleaned thoroughly. Corium Z105 is recommended for such applications. Shake the can and spray. Corium Z107's handy aerosol spray should be directed 4-6" (100 to 150 mm) from the area to be protected and a brush stroke application ensures complete coverage. Wipe off excess with clean rag.

After application, invert can and 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.

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*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 Z107

#### 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)  
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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>
Petroleum naphtha*	64742-48-9	30-60	R10 Xn;R65
Naphtha (petroleum), hydrotreated light*	64742-49-0	30-60	F;R11 Xn;R65 Xi;R38,R67 N;R51/53
Isobutane**	75-28-5	10-30	Fx;R12
Propane**	74-98-6	10-30	Fx;R12
2-Butoxyethanol	111-76-2	1-5	Xn;R20/21/22 Xi;R37

### SECTION 4 - FIRST-AID MEASURES

Eye Contact: Flush with plenty of water for at least 15 minutes. Seek immediate medical

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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.

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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

Petroleum naphtha	5 mg/m <sup>3</sup>
2-Butoxyethanol	25 ppm
Naphtha (petroleum), hydrotreated light	353 ppm
Isobutane/propane	1000 ppm

Eye Protection: Safety goggles and full-face shield

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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 brown semi-viscous liquid

Odour: White spirit odour

pH: N.A.

Specific Gravity: 0.85

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.

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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.

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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: R10 – Flammable.  
R11- Highly flammable.  
R12 - Extremely flammable.  
R20/21/22 – Harmful by inhalation, in contact with skin and if swallowed.  
R37 – Irritating to respiratory system.  
R38 – Irritating to 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.

\*Naphtha (petroleum), hydrotreated light and the petroleum naphtha used in this product contain 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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**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.