

CORIUM Z105 Battery Cleaner & Terminal Conditioner

DESCRIPTION:

Corium Z105 is a super effective Battery Cleaner and Terminal Conditioner that makes the cleaning of batteries fast, efficient and simple. In most cases, the battery does not even have to be removed from the equipment.

EFFICIENT & SUPER FAST ACTING:

Cleaning batteries used to be a great test of patience for the mechanic. First the grease accumulated road grime had to be cleaned off. Then the cables had to be wire-brushed. Following this, "baked-on" acid accumulations had to be pried or sanded off the battery terminals. It used to be an extremely time-consuming, unwelcomed job.

With Corium Z105, cleaning is a fast and efficient one-step process. Corium Z105's penetrating de-activator action goes on fast, with a slight foaming action. The exclusive surfactants then neutralize and loosen all existing grit, grime and acid accumulations on the battery's body and terminals. Within 5 minutes, all foreign matter on the battery has been chemically cleaned-off the treated surfaces.

A quick wipe with a wet cloth will flush away all the loosened accumulations and leave the treated battery "spanking new".

BUILT-IN-SAFETY:

Before the introduction of Corium Z105, mechanics used sodium carbonate mixed with water to clean batteries. This highly toxic and corrosive mixture often damaged the parts adjacent to the battery and attacked the mechanic's clothes and hands and the fumes irritated nasal passages and eyes.

Corium Z105, in its handy aerosol can is completely non-flammable and incidental contact with vehicle parts or even the skin is not normally harmful. It is also 3 times as effective as the conventional soda and water cleaner.

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CPIM Z105.1	Version 1.0	Revision 1.0	Rev. Date: February 17, 2000	Reference: LUN
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TIME SAVER:

Corium Z105's compressed gas spray action effectively blasts most of the battery's contaminants off within seconds. The follow-up with a damp rag a few minutes later will remove even the most stubborn foreign matter. Therefore Corium Z105 accomplishes in minutes what used to take hours of hard work.

Batteries can be cleaned "in situ" without the need to dismantle. The battery's body is quickly cleaned and the battery terminals are left spotlessly clean and can give full charge/discharge potential.

SPECIAL RECOMMENDATION:

After cleaning and conditioning the battery and terminal with Corium Z105, it is strongly recommended that Corium 107 Battery Terminal Protector be applied in order to keep the battery in tip-top operating condition.

HOW TO APPLY

APPLICATION:

- (1) It is not necessary to dismantle the battery from the housing.
- (2) Only in cases where part to be cleaned is inaccessible to the spray of Corium Z105, should the battery be removed for access.
- (3) Shake can thoroughly.
- (4) Hold can 100-150mm (4-6") from the area to be cleaned.
- (5) Spray enough to ensure that area is "drenched" with Corium Z105.
- (6) Wait 5 to 10 minutes, then use wet or damp rag to wipe off the excess.
- (7) After application, invert can and spray until clear gas appears in order to prevent nozzle clogging.
- (8) It is strongly recommended that Corium 107 Battery Terminal Protector is applied after using Corium Z105 to keep batteries in premium operating condition.

IMPORTANT:

Strictly observe all safety precautions relevant to the use of an aerosol product and/ or printed on the can's label. The wearing of gloves is advisable should the operator be highly allergenic.

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CPIM Z105.2	Version 1.0	Revision 1.0	Rev. Date: February 17, 2000	Reference: LUN
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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 Z105

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>
Sodium hydroxide	1310-73-2	<10	C;R35
Hexylene glycol	107-41-5	<10	Xi;R36/38
Isobutane**	75-28-5	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

Sodium hydroxide	2 mg/m ³
Propane/Isobutane	1000 ppm
Hexylene glycol	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: White, foamy spray

Odour: No special odour

pH: N.A.

Specific Gravity: 1.05

Vapour Pressure: In container 52 +/- 5 psig

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: Miscible

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.

R35 – Causes burns.

R36/38 – Irritating to eyes and skin.

S-phrases: S23 - Do not breathe spray.

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

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

S45- In case of accident or if you feel unwell, seek medical advice immediately (show label when possible).

**The propane/isobutene 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.