

CORIUM Z211 Moisture Suppressant for Electrical Fittings

ELECTRICAL/ELECTRONIC SYSTEMS DRYER

Water, in varying forms, is a major cause of problems in industrial maintenance. Water promotes corrosion, soaks and ruins insulation, shorts out contacts and spark plugs and generally creates havoc in automotive ignition systems and industrial and communications electrical and electronic systems.

Corium Z211 is a patented, maintenance-engineered, wonder working product which will solve virtually all of your customers electronic and electrical moisture problems.

Corium Z211 contains a precisely formulated group of ingredients which combine in an easily applied, fast working, effective product with the following features: -

1. One ingredient is actually wetter than water. This is called a 'surfactant' or surface active agent. This material enables Corium Z211 to actually creep under water, raising it from surface contact and hastening evaporation. Corium Z211 creeps into all the cracks and crevices and forces damaging condensation out into the open where it can evaporate or be wiped away.
2. Another ingredient of Corium Z211 is a water repellent. Corium Z211 dries to form a very thin, continuous moisture impervious film, which provides protection for months.
3. This same protective film contains a rust inhibitor which guards against corrosion for a long period of time.

In other words, Corium Z211 dries out water logged electronic/electrical systems and then coats the components of these systems with a water repellent which also provides protection against corrosion.

Corium Z211 is:

Water repellent	Non-toxic
Rust preventative	Contains no carbon tetrachloride
Transparent	Normally non-allergic

Corium Z211 has broad applications in industrial maintenance, and the automotive, aviation, marine, transportation, communication, construction and agricultural fields.

APPLICATION GUIDE

ELECTRIC/ELECTRONIC SYSTEM

1. Dries out flooded water-soaked Automotive, Aviation, Construction and Marine Electrical and Electronic Systems.
2. Provides a water repellent rust inhibiting coating for metal surfaces.

RADIO	STORED MACHINERY
TELEVISION	Motors and Equipment
COMMUNICATION EQUIPMENT	
BOILER ROOM CONTROLS	ATHLETIC EQUIPMENT
Relays	Guns
Motors	Fishing Tackle
Solenoids	INFREQUENTLY USED TOOLS
Thermostats	Dies
Aquastats	Fine Mechanisms
Coils	RAILROAD SWITCHES
Generators	Electrical Controls
AUTOMOTIVE	DISTRIBUTORS
Power Tools	WIRING
Grounds Maintenance Equipment	VOLTAGE REGULATORS
PRECISION EQUIPMENT	SPARK PLUGS
Clocks	MAGNETOS
Meters	LIGHTING SYSTEMS
STARTERS	GENERATORS

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

CPIM Z211.2	Version 1.0	Revision 1.0	Rev. Date: February 17, 2000	Reference: LUN
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HOW TO APPLY

Corium Z211 Electrical/Electronic systems Dryer dries out water-logged electronic and electrical ignition systems. It coats the components with a highly effective and long endurance water repellent which provides protection against water ingestion and associated forms of corrosion for months.

APPLICATION

1. Shake can thoroughly.
2. Hold can 100-150 mm (4-6") from ignition or electrical system and spray.
3. Wipe off excess moisture with rag and respray to ensure complete purging of the system of all water.

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

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CZ-211 p.1

MATERIAL SAFETY DATA SHEET

DATE 04 October 2012

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name/Code CORIUM Z211

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.
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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>
Mineral spirits *	8052-41-3	30-60	R10 Xn;R48/20
Kerosene	8008-20-6	10-30	R10 Xn;R65 R52/53
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.

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CZ-211 p.2

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

Sodium petroleum sulfonate	5 mg/m ³
Mineral spirits	100 ppm
Aliphatic hydrocarbon	5 mg/m ³
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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CZ-211 p.3

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid

Odour: Solvent odour

pH: N.A.

Specific Gravity: 0.70

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, sulphur compounds, calcium oxide.

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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CZ-211 p.4

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: R10 – Flammable.
R12 - Extremely flammable.
R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R52/53 – Harmful to aquatic organisms, may cause long-term adverse 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.

S37 - Wear suitable gloves.

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

*The mineral spirits 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.

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.