

CORIUM Z202R High Dielectric Red Insulating Varnish

DESCRIPTION:

Corium Z202R is a fast, tough, durable method of insulating electrical devices of all types. It has the following qualities:

1. **High Dielectric Properties** for all high frequency applications. Serves well as an insulator in addition to sealing out moisture. Prevents shorting out of electrical and electronic equipment. Prevents deterioration of color coatings and safety markings.
2. **Fast Drying** it dries in minutes to touch and can be recoated in 5 to 10 minutes. Is self extinguishing in case of fire.
3. **High Corrosion Resistance** seals out moisture, sunlight, alkalis or acids and salt spray, also has excellent abrasion resistance.
4. **Use Corium Z202R for:**
 - Printed circuits
 - Diodes
 - Motor Housings
 - Instrumentation
 - Marine engine ignition systems and wiring
 - Protection of nuclear devices
 - Electronics
 - Automotive electrical systems
 - Telecommunications systems

Corium Z202R protects against dangerous Corona discharge, arcing and high voltage leaks. Just spray on wiring and this product becomes a powerful high voltage insulator. Positively will not crack under vibration as other aerosol insulation sprays may do. Corium Z202R is a super seal that prevents trouble before it happens.

	CORIUM Z202R
COLOUR	RED (Good Hiding Power)
DIELECTRIC STRENGTH V/MIL	1400
FLEXIBILITY	High
TACK FREE DRY	60 Minutes
DESIGN FEATURES	High quality general application.
HEAT RESISTANCE	More than 72 hrs. at 135°C (275°F)
ACID RESISTANCE	Concentrated 72 hrs.
OIL RESISTANCE	48 hrs. at 100°C (212°F)
WATER IMMERSION RESISTANCE	Over 100 hrs.
ALKALI RESISTANCE	100 hrs.
EFFECT ON PLASTICS	Pre-test to determine effect – some plastics may be softened or crazed by solvents.

	CORIUM Z202R
EFFECT ON VINYL, METAL, NYLON & PAINTED SURFACES	None
ABRASION RESISTANCE	Good
SPRAY PATTERN	Broad Fine Mist
COMPOSITION	Synthetic Alkyd Oxidizing Insulating Enamel
TOXICITY	Non-Toxic
INFLAMMABLE	Yes
STOREABILITY	1 Year
FLUORESCENCE	No

© Copyright, all rights reserved.

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

CPIIM Z202R.2	Version 1.0	Revision 1.0	Rev. Date: February 17, 2000	Reference: LUN
---------------	-------------	--------------	------------------------------	----------------

**TYPICAL EQUIPMENT MAINTAINED BY CORIUM Z202R
ELECTRONIC ELECTRICAL CHEMICAL INSULATORS**

Switches	Hoists	Battery Terminals
Switch gear	Lift Trucks	Ignition Systems
Circuit Breakers	Panelboards	Headsets
Contractors	Blowers	Microphones
Fuses	Fans	Speakers
Fuse Holders	Signals	Tubes
Relays	Alarms	Radio/TV Electronic Controls
Solenoids	Controls	Tuners
Rectifiers	Recorders	Sound Equipment
Transformers	Shielding	Contacts
Plugs & Receptacles	Counters	Tuning Condensers
Bulbs & Sockets	Electric Motors	Volume Controls
Motors	Housings	Elevators
Generators	Cabinets	Tone Controls
Cables	Chassis	Audio Mixers
Insulation	Oscillators	Attenuators
Coils	Potentiometers	Patchboard Jacks
Instruments	Filters	Motor Brush Rings
Meters	Rheostats	Band Switches
Timers	Sub-Assemblies	Windings
Bus Bars	Synchronizers	Printed Circuits
Portable Tools	Transmitters	Capacitors
Welders	Receivers	Carbon Resistors
Conduits	Testers	Transistors
Fixtures	Exciters	Phono cartridges

Corium Z202R is used by: -

Training Schools, Universities, Utilities, Industrial Plants, Radio and TV Stations, Motor Repair Shops, Aviation, Marine, Truck Fleet, Municipalities, Airports, Office Buildings, Apartment Houses, Farm and Garden Equipment Maintenance, Railroads, Department Stores, Government Agencies and Hospitals.

HOW TO APPLY

Corium Z202R seals against moisture, sunlight, alkalis, acids, salt spray, heat and oil and protects against Corona discharge, arcing and high voltage leaks with its superior electrical insulation properties.

It positively will not crack under vibration, is non-toxic and has good abrasion resistance. It is available in both Clear and Red coatings.

APPLICATION:

1. Clean surface to be treated thoroughly. Corium Z129 is recommended in this application.
2. Shake can thoroughly.
3. Hold can 150-200 mm (6-8") from area to be treated and spray.
4. A tack free, dry coat is achieved in 30 minutes and complete curing takes 2 hours.
5. After application, invert can and spray until clear gas appears to prevent nozzle clogging.
6. Pre-test to determine effect on plastics that may be prone to softening or crazing by solvents.

IMPORTANT

Strictly observe all safety precautions relevant to the use of an aerosol product and/or printed on the can's label. The product is flammable and should be kept away from a naked flame. It is self extinguishing in case of fire, however.

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

CZ-202R p.1

MATERIAL SAFETY DATA SHEET

DATE 04 October 2012

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name/Code CORIUM Z202R

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

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>
Acetone	67-64-1	30-60	F;R11
Isobutane	75-28-5	10-30	Fx;R12
Propane	74-98-6	10-30	Fx;R12
Methyl iso-butyl ketone	108-10-1	1-5	F;R11
Propylene glycol monomethyl ether acetate	108-65-6	0.1-1	R10 Xi;R36

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.

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

CZ-202R p.2

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

Acetone 750 ppm

OSHA PEL TWA

Methyl iso-butyl ketone 100 ppm
Propane 1000 ppm
Butane 800 ppm

Eye Protection: Safety goggles and full-face shield

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

CZ-202R p.3

Hand Protection: Rubber or plastic oil resistant gloves.

Ventilation: Use under well ventilated conditions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red liquid spray

Odour: Solvent 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

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.

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

CZ-202R p. 4

Aspiration of material upon vomiting may cause chemical pneumonitis.

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

-

SECTION 16 - OTHER INFORMATION

R-phrases: R10 – Flammable.

R11 – Highly flammable.

R12- Extremely flammable.

R36 – Irritating to eyes.

S-phrases: S2 - Keep out of reach of children.

S9 - Keep container in a well ventilated place.

S16 - Keep away from sources ignition – No smoking.

S23 - Do not breathe gas.

S24 - Avoid contact with the skin.

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

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.