

# CORIUM Z97 “Big Blue” Concentrated Multi-Purpose Cleaner

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## BIG BLUE

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Is a concentrated chemical compound with special additives that transform ordinary water into an effective cleaning solution. Corium 'BIG BLUE' actually makes water wetter to destroy dirt, grease and grime in seconds. Corium 'BIG BLUE' cleans walls, windows and floors - makes vinyl and plastic as clean as new - degreases machinery, equipment and engines, removes baked bitumen from cars, trucks, buses and road equipment - yet does not harm or leave a film on paint. It comes close to being the “long awaited” all-purpose cleaner and replaces several different and specialized cleaners.

## CORIUM Z97 HAS A FAST ACTING, TRIPLE CYCLE CLEANING ACTION

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Firstly 'BIG BLUE' loosens grease and grime with its excellent solubility properties. Secondly 'BIG BLUE' holds microscopic particles in suspension, actually consuming and devouring them. Finally 'BIG BLUE' rinses the remaining particles away through capillary action.

## CHEMICALLY DEVOURS GREASE

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'BIG BLUE' completely emulsifies grease and converts it to a soap through a unique chemical process. When mixed with kerosene, 'BIG BLUE' will completely degrease motor blocks cold - saving the expense of steam cleaning.

## CONCENTRATED FORMULATION

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Ordinary cleaning detergents usually have a maximum of only 25% active ingredients. 'BIG BLUE' concentrated compound has 100% active ingredients!

'BIG BLUE' should never be used full strength for any application. It provides the lowest priced cleaning solution for a wider variety of cleaning jobs than any other cleaning solution. 'BIG BLUE' has a balanced viscosity which allows it to readily blend and mix with inexpensive solvents or water thus forming a stable emulsion. 'BIG BLUE' can be prepared to the required strength in large quantities and stored without the emulsion spoiling or becoming ineffective. 'BIG BLUE' has a pleasant, fresh odor and leaves surfaces gleaming clean and less likely to attract

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| CPIM Z97.1 | Version 1.0 | Revision 1.0 | Rev. Date: February 16, 2000 | Reference: LUN |
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dirt and grease.

### APPLICATION CHART

| TYPE OF APPLICATION     | AMOUNT OF BIG BLUE NEEDED   |
|-------------------------|---|
| Floors and walls        | 25 ml per 4 litres of water<br>(1 oz per gal of water)                        |
| Wax Removal             | 500 ml per 4 litres of water<br>(20 oz per gal of water)                      |
| Vehicles                | 25 ml per 4 litres of water<br>(1 oz per gal of water)                        |
| Glass Surfaces          | 25 ml per 4 litres of water<br>(1 oz per gal of water)                        |
| Vinyl & Plastic         | 25 ml per 4 litres of water<br>(1 oz per gal of water)                        |
| Concrete Surfaces       | Normal - 250 ml per 4 litres of water<br>(10 oz per gal of water)             |
|                         | Heavy grease - 500 ml per 4 litres of<br>Kerosene (20 oz per gal of kerosene) |
| Machinery and Equipment | 25-75 ml per 4 litres of water<br>(1-3 oz per gal of water)                   |
| Engine Degreasing Cold  | 500 ml per 4 litres of kerosene<br>(20 oz per gal of kerosene)                |
| Tank Cleaning           | 125 ml per 4 litres of water<br>(5 oz per gal of water)                       |
| Steam Cleaning          | 125 ml per 4 litres of water<br>(5 oz per gal of water)                       |

Other suggested uses for Big Blue.

### IN THE FACTORY AND SHOP

|   |  |
|---|--|
| Hand cleaner for dispensers over sinks    | 1-1/2 litres per 4 litres of water<br>(3 pints :1 gal) |
| Wetting wood and fibres for manufacturing | 50 ml per 4 litres of water<br>(2 oz : 1 gal)          |
| Cleaning surfaces before painting         | 75 ml per 4 litres of water<br>(3 oz : 1 gal)          |
| Cleaning tools and equipment after work   | 125 ml per 4 litres of water<br>(5 oz : 1 gal)         |
| General cleaning                          | 50 ml per 4 litres of water<br>(2 oz : 1 gal)          |

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## IN THE GARAGE

|  |   |
|--|---|
| Auto washing                           | 25 to 75 ml per 4 litres of water<br>(1-3 oz : 1 gal)   |
| Degreasing average motor block         | 1/2 litre per 4 litres of water<br>(1 pint : 1 gal)     |
| Cleaning grease from concrete driveway | 1/2 litre per 4 litres of water<br>(1 pint : 1 gal)     |
| Cleaning grease pit                    | 250 ml per 4 litres of water<br>(1 pint : 1 gal)        |
| Cleaning bowsers                       | 75 ml per 4 litres of water<br>(3 oz : 1 gal)           |
| Cleaning glass surfaces                | 25 ml per 4 litres of water<br>(1 oz : 1 gal)           |
| General cleaning                       | 25 ml per 4 litres of water<br>(1 oz : 1 gal)           |
| Hand cleaner                           | 1 1/2 litres per 4 litres of water<br>(3 pints : 1 gal) |

## ON THE FARM

|   |   |
|---|---|
| Wetting agent for efficient spraying<br>of insecticides and fertilizers | 25 ml per 4 litres of water<br>(1 oz : 1 gal)           |
| Hand cleaner  | 1-1/2 litres per 4 litres of water<br>(3 pints : 1 gal) |
| Cleaning machinery and equipment  | 125 ml per 4 litres of water<br>(5 oz : 1 gal)          |

If it can be cleaned with water - BIG BLUE will clean it better.

## HOW TO APPLY

Is a cold concentrated emulsion degreaser. It is soluble in water, diesel distillate or kerosene.

'**BIG BLUE**' is nearly neutral in reaction being non-toxic, non irritating to skin and harmless to all ferrous and non-ferrous metals, painted surfaces and fabrics. Being a concentrated product it is not recommended that BIG BLUE be used as supplied but should be mixed with an inexpensive solvent or water.

'**BIG BLUE**' can be prepared to the required strength in large quantities and stored without the mixture spoiling or becoming ineffective. On prolonged storage 'BIG BLUE' and water may require a small amount of agitation to redistribute emulsion.

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|------------|-------------|--------------|------------------------------|----------------|

**METHOD OF APPLICATION**

| TYPE OF APPLICATION  | MIXTURE  | METHOD OF APPLICATION  |
|--|--|--|
| Walls, Floors, Vinyl.  | 1 oz (6 ml per litre)<br>'BIG BLUE' per gal<br>of water.                 | Brush, spray or mop<br>onto surface, dip   |
| Machinery or Equipment   | 1 oz (6 ml per litre) to<br>5 oz (30 g.) 'BIG BLUE'<br>per gal of water. | Small parts. Rinse<br>off with clean water.<br>Mop or air dry.   |
| Preparing surface for<br>painting.                                   | 3 oz (20 ml per litre)<br>gal of water.                                  |  |
| Wax removal from<br>floors.  | 1 pint (100 ml per litre)<br>'BIG BLUE' per gal<br>of water.             | Work solution over<br>surface with a stiff<br>brush. Rinse clean. Mop dry.   |
| Concrete, to remove<br>grease and oil stain<br>Grease pit in garage. | 20 oz (125 ml per litre)<br>per gal of solvent,<br>(Kerosene is ideal.)  | Work into dirty areas<br>with stiff brush, hose<br>off. Brush off surplus<br>water and air dry.                          |
| Engines, to degrease.  | 20 oz (100 ml per litre)<br>per gal of solvent.                          | Brush, spray or dip.<br>Mask off openings,<br>distributor, points etc.<br>Clean water rinse. Air dry.                    |
| Window & Glass<br>Surface.   | 1 oz (6 ml per litre)<br>per gal<br>of water.                            | Sponge on, squeeze off<br>with rubber blade.   |
| Vehicle cleaning.<br><br>Upholstery.                                 | 1 oz (6-20 ml per litre)<br>to 3 oz per gal of water.                    | Sponge on with soft<br>cloth water rinse, air dry.<br>(Use same solution<br>Sponge on, wipe off<br>with dry soft cloth.) |
| Tank Cleaning &<br>Dip Bath.   | 5 oz (30 ml per litre)<br>per gal of water.                              | Soak in solution 15<br>mins. to 3 hours.<br>Rinse in Clean water. Air dry.   |
| Hand Cleaning  | 3 pints (300 ml per litre)<br>per gal of water.                          | Work into excessively<br>dirty and greasy areas.<br>Rinse off. Towel dry.  |
| Efficient spraying of<br>insecticides.                               | 1 oz (6 ml per litre) per<br>gal of water.                               | Add to bulk solution.<br>Stir in, then use or<br>apply in normal manner.   |

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# MAGNA INDUSTRIAL CO. LIMITED

*Total Quality Maintenance*

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CZ-97 p.1

## MATERIAL SAFETY DATA SHEET

DATE 01 Aug 2014

### SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**Product Name/Code** CORIUM Z97

#### 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)  
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>                  |
|---|-------------------|-------------|--|
| Naphtha (petroleum),<br>Hydrodesulfurized heavy** | 64742-82-1        | 30-60       | R10<br>Xn;R65<br>Xi;R37<br>R51/53      |
| Solvent naphtha<br>(petroleum), light arom        | 64742-95-6        | 30-60       | R10<br>Xn;R65, R66<br>Xi;R37<br>R51/53 |
| Alcohols, C6-C12<br>ethoxylates                   | 66455-14-9        | 10-20       | Xn;R22<br>Xi;R41                       |

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CZ-97 p.2

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## 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: Dense smoke.

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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

Keep container closed when not in use. Keep away from heat, fire and ignition sources.

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### ACGIH TLV

Solvent naphtha (petroleum), light arom

5 mg/m<sup>3</sup>

Naphtha (petroleum), hydrodesulfurized heavy

5 mg/m<sup>3</sup>

Eye Protection: Safety goggles and full-face shield.

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**CZ-97 p.3**

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: Blue liquid  
Odour: Mild petroleum  
pH: N.A.  
Specific Gravity: 0.88  
Vapour Pressure: N.A.  
Boiling Point: >154°C  
Melting Point: N.A.  
Flash Point: 47°C  
Flammability: Flammable  
Evaporation Rate: <1 (Ether = 1)  
Solubility in Water: Form emulsion

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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 : FLAMMABLE LIQUID, N.O.S.(NAPHTHA SOLUTION).

UN Number: 1993

IATA Class: 3, Packing Group: III

IMDG Class: 3, Packing Group: III

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## SECTION 15 - REGULATORY INFORMATION

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## SECTION 16 - OTHER INFORMATION

R-phrases: R10 – Flammable.  
R22 - Harmful if swallowed.  
R37 - Irritating to respiratory system.  
R41 - Risk of serious damage to eyes.  
R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 - Harmful: may cause lung damage if swallowed.  
R66 – Repeated exposure may cause skin dryness or cracking.

S-phrases: 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.

S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

\*\*The light aromatic petroleum solvent used in this product contains less than 0.1% W/W benzene.

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