

# CORIUM 93 All-Purpose Cleaner for Masonry and Brick

## DESCRIPTION

An all purpose cleaner for brick and masonry, Corium 93 will quickly and efficiently remove mortar residue, wood and rust stains.

**(1) SAFE QUALITIES:**

Straight muriatic acid and other highly corrosive cleaning agents will damage most paints and finishes. Corium 93 generally does not affect this type of finish. It may be used inside or outside a building before or after painting. It is neutralized by a simple and thorough flush with water.

**(2) ECONOMICAL:**

Corium 93 is a highly concentrated product and may be diluted from 1 to 20 parts with water, depending on the strength needed for the work. It usually drastically cuts the cost of cleaning as compared to straight muriatic acid.

**(3) SIMPLE TO USE:**

Merely apply by spray, brush or dipping and then rinse off. It is that simple.

**(4) LIQUID SANDPAPER ACTION:**

Corium 93 contains corrosion inhibitors and powerful penetrates. Corium 93 literally "boils" the soil away. This product actually dissolves the binders that hold the silicate grains of concrete together as a cohesive mass. After this dissolving process, a simple flushing removes the loose particles. The fast penetrating action removes thin layers of cement from cement mixers, transit forms, metal equipment and machinery. It is the perfect answer for every cleaning job that formerly required steel wool.

## APPLICATIONS:

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Typical applications where Corium 93 definitely cuts cleaning costs are: -

1. Removing rust and stains from concrete.
2. Cleaning Terrazzo.
3. Cleaning bricks.
4. Removing mortar and plaster from stringers, risers and brick veneer, aluminum windows.
5. Removing efflorescence from brickwork.
6. Removing insoluble scales, mortar, slop, and deposits from painted steel, aluminum, cast iron and other construction finishes.
7. Removal of Bore water stains from statues in public parks, walls, footpaths and masonry.
8. De-rusting metal surfaces, tools and equipment.
9. Removal of super-phosphate from farm machinery, including problem areas such as the stars and spreading trays in combines and spray equipment. It is advisable to thoroughly rinse on completion.

## HOW TO APPLY

Can be used as a dip, spray or manual application with a rag, sponge or brush. When Corium 93 is applied to a surface, a boiling action will occur. **Allow to remain until the boiling stops** and then flush off with plain water. Flushing under pressure of a hose is helpful.

On stubborn deposits, steel wool or an abrasive cloth can be used as an added accelerator.

Corium 93 is a concentrate. It can be thinned with water for greater economy, as much as 20 parts water to 1 part Corium 93. On stubborn cases, full strength can be used. A small test area should be used to determine the proper amount of dilution to use. Generally 3 to 1 is ideal for removing mortar from bricks. Thoroughly wet surface before application and rinse well after completion of job.

Brick construction will last hundreds of years if the brick is cared for properly and efflorescence is controlled.

Efflorescence is an unsightly whitish discoloration which results when salts from within the brick and mortar are carried to the surface by water. The water evaporates, but the salts remain and cause unsightly stains.

Corium 93 can be used to remove efflorescence from brick work when diluted 6 parts water to 1 part Corium 93. Several applications may be necessary depending upon amount of efflorescence present. Flush with water thoroughly after use.

**Do not use on Zinc or Magnesium**

### **SAFETY PRECAUTIONS**

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Corium 93 is much safer to use than straight muriatic acids. It does, however contain inhibited acids. Prolonged contact with skin is inadvisable; therefore protective gloves or Corium Z1420 should be applied to the hands prior to using Corium 93. It must be kept out of the reach of children. Most people can use Corium 93, following reasonable procedure, with complete safety. A person not certain of allergies to this chemical should treat it with caution. Overexposure may be harmful to persons who are allergic to some of the ingredients.

# 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](mailto:magna@magnagroup.com) Web Site: [www.magnagroup.com](http://www.magnagroup.com)

C-93 p.1

## MATERIAL SAFETY DATA SHEET

DATE 01 Aug 2014

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

**Product Name/Code** CORIUM 93

#### 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

Corrosive product

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS Number</u>	<u>Wt.%</u>	<u>Classification</u>
Hydrochloric acid	7647-01-0	45-60	C;R34 Xi;R37
Sulphuric acid	7664-93-9	1-3	C;R35

### 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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C-93 p.2

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## SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Foam, carbon dioxide and dry chemicals.

Special Protective Equipment for Fire Fighters: N.A.

Unusual Fire and Explosion Hazards: Reacts with water releasing heat and steam.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spillage: Transfer bulk of material into another container. Neutralizes with either sodium carbonate or bicarbonate. Absorb remaining residue with proper absorbents such as sand, vermiculite. Sweep up and dispose of in accordance with local and national regulations.

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## SECTION 7 - HANDLING AND STORAGE

Keep locked up and containers closed. Avoid contact with skin, eyes and clothing, wash thoroughly after handling. Wash clothing before reuse. Keep away from feed and food products. Keep out of reach of children. Never add water to this product.

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### ACGIH TLV

Sulphuric acid	1 mg/m <sup>3</sup>
Hydrochloric acid	5 mg/m <sup>3</sup>

Eye Protection: Safety goggles

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: Deep blue liquid

Odour: Acid odour

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C-93 p.3

pH: 1-2  
Specific Gravity: 1.1  
Vapour Pressure: N.A.  
Boiling Point: ~100°C  
Melting Point: N.A.  
Flash Point: None  
Flammability: N.A.  
Evaporation Rate: N.A.  
Solubility in Water: Soluble

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## SECTION 10 - STABILITY AND REACTIVITY

Stable

Materials to Avoid: Contact with caustic or add water directly.

Toxic compounds may form on thermal decomposition. Hazardous combustion products: Strong acidic fume and hydrogen chloride gas.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

There is no lethal dose information available.

Inhalation: Cause damage to nasal and respiratory passages.

Skin: Corrosive to all body tissue.

Eyes: Contact with eyes may result in total loss of vision.

Ingestion: Cause severe burns of internal organs.

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## SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: The product may affect the acidity in water with risk of harmful effect to aquatic organisms.

Mobility: No data available.

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C-93 p.4

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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: CORROSIVE LIQUID, N.O.S.(HYDROCHLORIC ACID SOLUTION).

UN Number: 1760

IATA Class: 8, Packing Group: II

IMDG Class: 8, Packing Group: II

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## SECTION 15 - REGULATORY INFORMATION

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## SECTION 16 - OTHER INFORMATION

R-phrases: R34 - Causes burns

R37 - Irritating to the respiratory system

S-phrases: S23 - Do not breathe fumes

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

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

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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.