

# CORIUM 33 Multi-Purpose Anti-Seize Compound

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## Description:

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A highly efficient material designed for the safe removal of rust, scale and the associated streaks, stains and spots caused by rust.

Corium 33 Multi-Purpose Anti-Seize Compound is highly concentrated for maximum effectiveness and yet buffered for safe use on all materials including steel, cast iron, stainless steel, aluminum, wool, cotton, silk, marble, masonry, vitreous enamel (baths, sinks, toilet bowls, urinals) ceramic tiles, chrome plating (bumper bars, grill work, light rims etc.)

It has been designed to replace other solutions for removing rust and scale. Corium 33 paste is safe to use in virtually all applications. There is no danger of contamination of other sections or surrounding areas when Corium 33 is used. This is of particular importance when cleaning appliances such as refrigerators, washing machines, freezers, cool rooms, ovens, heaters, air conditioning equipment, boilers and all types of equipment which must be cleaned in place. It is also advantageous when cleaning sections of rust stains on large tanks and buildings. Corium 33 is supplied in handy paste form which can be safely applied to any surface including curved shapes and vertical and overhead applications. It will not drip or run.

Corium 33 cleaning paste eliminates all rust and rust stains by chemical action; assisting operations such as scrubbing, scraping, wire brushing or rubbing may be employed to speed removal. It is easily applied by brushing, mopping or trowelling onto the surface to be treated.

Corium 33 works in minutes.

**Caution:**

CORIUM 33 CONTAINS BUFFERED ACIDS. Wash hands or any spillage with water as a precautionary measure.

## HOW TO APPLY

**APPLICATION TO METAL SURFACES**

Apply with a brush, mop, knife or trowel (depending on size of job). Apply directly onto rusted areas to be treated. Leave to react for 5 to 10 minutes, then wipe off with a rag while still wet. On larger jobs, work in small segments or approximately 10' (3 meters) by 10' (3 meters) and flush each area with water under pressure. The period of reaction required will vary with the thickness of scale or rust. Application rate may be varied according to the condition and severity of the job.

Mill bloom, scale and rust on light steel can take 15 minutes to 1 hour whereas heavy rust on heavy gauge steel can take up to 15 hours. When used with aluminum the length of time is usually drastically reduced. Initially leave Corium 33 stand for a minute or two, check reaction and adjust time accordingly.

**APPLICATION TO FABRIC, MASONRY, VITREOUS ENAMEL ETC**

Apply Corium 33 directly onto stained spot. Leave it to react for 5 to 10 minutes or until stain disappears, then rinse off with water.

**CAUTION:**

Corium 33 is highly active and does contain some buffered acids. Avoid prolonged contact with the skin, hands should be washed after using Corium 33 and any spillage should be thoroughly rinsed with water.

# MAGNA INDUSTRIAL CO. LIMITED

*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 33

#### 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>  |
|--------------------|-------------------|-------------|------------------------|
| Phosphoric acid    | 7664-38-2         | 30-60       | C;R34                  |
| Hydrochloric acid  | 7647-01-0         | 1-5         | C;R34<br>Xi;R37        |
| 2-Butoxyethanol    | 111-76-2          | 1-5         | Xn;R20/21/22<br>Xi;R37 |

### 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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Ingestion: Do not induce vomiting. Seek immediate medical attention.

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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

|                   |                     |
|-------------------|---------------------|
| Phosphoric acid   | 1 mg/m <sup>3</sup> |
| Hydrochloric acid | 7 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: White paste

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Odour: Acid odour  
pH: <1  
Specific Gravity: >1.0  
Vapour Pressure: N.A.  
Boiling Point: 105°C  
Melting Point: N.A.  
Flash Point: None  
Flammability: N.A.  
Evaporation Rate: ~1 (water = 1)  
Solubility in Water: Soluble

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## SECTION 10 - STABILITY AND REACTIVITY

Stable

Materials to Avoid: Alkaline materials and metals.

Toxic compounds may form on thermal decomposition. Hazardous combustion products: Strong acidic fume.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

There is no lethal dose information available.

Inhalation: Irritating to the respiratory system.

Skin: Cause irritating

Eyes: Cause severe burns.

Ingestion: Cause severe burns of internal organs.

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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: PHOSPHORIC ACID, SOLUTION.

UN Number: 1805

IATA Class: 8, Packing Group: III

IMDG Class: 8, Packing Group: III

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## SECTION 15 - REGULATORY INFORMATION

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## SECTION 16 - OTHER INFORMATION

R-phrases: R20/21/22 – Harmful by inhalation, in contact with skin and if swallowed.

R34 – Causes burns.

R37 – Irritating to respiratory system.

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 eyes/face protection.

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

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