

# CORIUM 50 “Exothermic” Industrial Solvent for Drains

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## DESCRIPTION

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Corium 50 is a highly activated, heavy fluid exothermic industrial solvent which rapidly dissolves and disintegrates stoppages in pipes and drains. It does not produce the heavy, corrosive fumes common to ordinary commercial drain openers which rely on dangerous caustic powders and are often inadequate on clogging caused by organic matter.

Corium 50 is totally different from all other methods of opening clogged drains and is based on an entirely different chemical system.

When Corium 50 is introduced into any drain system, it travels downward through the water in the pipe to the point of congestion. The explanation lies in the highly concentrated chemical nature of Corium 50. For example, the density of Corium 50 is 1.84g. per ml. The density of the standard substance, water, is 1g. per ml. evidenced by the fact that Corium 50 weighs. 1.7 kilos per liter. Twice the weight of water itself!

Corium 50 is one of the most effective, corrective and preventative Drain Openers made because:

- (1) It's ready to use in liquid form. No need to mix powders. No time delay in waiting for powders to dissolve and react.
- (2) It's “JET SPEED” works by powerful hydrolytic action. Reacts with both water and the stoppage itself.
- (3) It is highly effective due to its exothermic action. Corium 50 contains a chemical that actually heats up when it comes into contact with water. Causes any stoppages to literally melt away.

- (4) It satisfies economically. Saves the expense of calling a plumber, the irritation of using a slow drain, time spent in cleaning up after messy overflows (that could have been prevented) and the expense which is caused by the physical damage to surroundings (such as wooden floors or carpets) from overflows.

## **OTHER ADDED BENEFITS FROM USING CORIUM 50**

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**(1) STOP DIMINISHING PIPE DIAMETER**

By using Corium 50 regularly, one not only prevents and eliminates SLOW drains caused by gradual build-up of foreign materials: one also prevents the biggest single cause of slow drains - hard water scale. Corium 50 actually prevents scale from forming with regular usage.

**(2) SUITABLE FOR SEPTIC TANK USE**

Corium 50 is designed to work with, not against the biological systems found in septic tanks and other seep-systems.

**(3) PLANS PREVENTION BY THE OUNCE**

Maintenance engineers everywhere agree that using a drain solvent regularly will prevent ultimate stoppages. By using Corium 50 periodically down the drain, stoppages will be prevented and free-flow of the drain is assured. The smart maintenance man used Corium 50 because he knows that many stoppages are an accumulation of organic matter in drains. This accumulation will make the opening smaller and, as a result, the waste water goes down at a slow rate. The continuous use of Corium 50 once or twice a week eliminates the slow down or complete stoppage.

**(4) ECONOMICAL TO USE**

Many different brands of drain pipe cleaners can be tried with little or no results, but when Corium 50 is used, it removes the entire stoppage. Corium 50 is poured slowly down into the drain and allowed to remain for a few minutes, and then flushed with water. Practically every clogged drain, through organic stoppage, can be easily opened up.

## (5) WHERE TO USE CORIUM 50

Corium 50 is used in suburban areas as well in rural areas. It is used in hotels, motels, factories, office buildings, institutions, hospitals, townships and municipalities. All have used Corium 50 with beneficial results.

## HOW CORIUM 50 WORKS

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The combination of heat-producing and powerful chemical dissolving action is the reason why Corium 50 rapidly unplugs drains that ordinary "openers" cannot faze.

For example, clogged grease traps - ordinary caustic-based powders and liquids simply react with grease to form soaps which themselves can be a worse obstruction than that which they replace. With Corium 50 no soap is formed. The grease is actually liquefied and flushed. Furthermore, if soap itself has become lodged in the pipe, Corium 50 will even dissolve the soap. Corium 50 has a self neutralizing chemical mechanism which terminates the action after disintegration has taken place.

Not to be used in areas where the discharge to the sewers of such liquids has not been approved by necessary authority.

## HOW TO APPLY

### DIRECTIONS FOR APPLICATION

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1. Remove excess water from sink, drain or toilet. Use plunger to force down any existing water
2. Pour slowly, directly into the drain.
3. **Sink Drains** Use about 4 oz (113 ml.) of contents and let stand for four minutes. Add cup of water, let stand for four minutes and flush. Repeat if necessary.

**Floor Drains** Use about 8 oz (227 ml.) of contents and follow same time as above.

**Prevention** Avoid future clogging by using about 3 oz (85 ml.) per week in each drain.

Since grease traps and drains vary in size and condition, allowances should be made for the kind and quantity of material to be dissolved.

## **POISON**

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Contains sulphuric acid. Avoid contact with skin, eyes or clothing.

## **ANTIDOTE**

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External: Flood with water immediately, then cover with moistened sodium bicarbonate.

Internal: Give mild solution of bicarbonate of soda, milk of magnesia, or whites of eggs beaten with water.

Eyes: Flood with water for at least fifteen minutes.

## **PRECAUTIONS TO OBSERVE**

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Corium 50 comes to you packaged ready to use. Do not add water or any other chemical to this compound, as violent reaction will occur. Do not use where other drain chemicals are present. Do not stand over drain while using this compound and as a safety measure, use an eye shield. Use in adequate ventilation. Avoid contact with the skin. Wash hands thoroughly after using. Do not allow to stand on porcelain surfaces

# 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 50

#### 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>
Sulphuric acid	7664-93-9	93-99	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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## 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 0.2mg/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: Dark coloured Liquid  
Odour: Acid odour  
pH: <1

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Specific Gravity: >1.80  
Vapour Pressure: N.A.  
Boiling Point: >190°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 sulphuric dioxide.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity: Sulfuric acid: LD50/oral/rat = 2140mg/kg  
LC50/inhalation/2h/rat = 510mg/m<sup>3</sup>

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 effects to aquatic organisms.

Mobility: No data available.

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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: SULPHURIC ACID with more than 51% acid.

UN Number: 1830

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: R35 - Causes severe burns

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

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.