

CORIUM Z86 “Safety-Plus” Industrial Cleaner Concentrate

(Available also as a Clear Formulation, Corium Z86C.)

DESCRIPTION

A research-developed product designed for use in industrial, manufacturing and food processing plants, Corium Z86 is completely non-flammable and can be used around high temperature machines and blowers. It gives off no toxic fumes to bother workers or persons doing cleaning and will not cause harmful after-effects if used to clean food processing machinery. Corium Z86 is completely non-corrosive and contains no acids or chlorine to corrode, etch or mar finished surfaces.

Corium Z86, by its chemical formulation, attacks the molecular structure of soil, thereby destroying its adhesive qualities, and emulsifying the soil which is then wiped or mopped away.

Corium Z86 is safe on metals, concrete, plastic and wood. This specially-developed chemical contains a special rust inhibitor. Corium Z86 is economical and safe to use. Corium Z86 may be diluted with 3 to 6 parts water for removing grease, dirt, wax, dye, some inks, light carbon etc.

Corium Z86 may be used to clean oil or grease from small parts, and for degreasing metals before Magnafluxing. Corium Z86 is used to clean printing presses, as well as air filter systems. Corium Z86 can also be used to clean milling machines, lathes, grinders, punch presses and all metal working machines, as well as concrete floors.

Corium Z86 cleans and removes sludge from the coolant system on lathes, milling machines, broaching machines, grinders and other machines using a coolant system. First, drain the coolant system by pumping out the coolant, then add a solution of Corium Z86 (diluted with approximately 4 parts of water) into the coolant system. Circulate for approximately five minutes, remove the Corium Z86 and add the new coolant. The machine is again ready for operation. The amount of Corium Z86 used in a machine will vary according to the size of the coolant

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system.

CORIUM Z86

1. Makes coolant last longer because the coolant system is clean.
2. Reduces maintenance on the coolant by cleaning the pump as well as the tank.

CORIUM Z86 - is widely used for cleaning and removing grease from milling machines, lathes and other machine tools and machinery prior to repainting.

CORIUM Z86 - is an excellent safe solvent for removing layout ink or layout dye from machine parts, forgings and tools. Corium Z86 is much safer to use than inflammable or toxic solvents such as alcohol or thinners.

CORIUM Z86 - removes old oxidized paint and prepares surfaces for new paint application eliminating unnecessary sanding.

CORIUM Z86 - cleans away oils, grease, inks and all soil from typewriters, computers and all office machines.

CORIUM Z86 - removes all soil easily and quickly from skylights and windows found in industrial plants.

FOR MARINE USE:

For engine and bilge cleaning, spray, paint, or mop Corium Z86 diluted with 3 parts water and allow to stand for about 3 minutes. Hose off with clean water, using a pressure hose if available. For top side cleaning, paint, mop, or spray Corium Z86 on portion to be cleaned and wipe or hose off . Corium Z86 removes mildew and fungus. Grease and light rust spots top side are removed easily with a Corium Z86 solution.

FOR CLEANING BOWLING PINS

Corium Z86 will not affect the pin finish if diluted with 3 parts of water before using. Dip a fine steel wool pad in this solution and rub pin lightly. Hard rubbing is not necessary. Dry pin with a clean soft rag.

HOW TO APPLY

There are three methods of using Corium Z86.

APPLICATION METHOD ONE

Dilute Corium Z86 with water according to the severity of the cleaning operation to be performed. Using a hand sponge, clean cloth or rag dipped in the solution, squeeze it slightly and wipe the area to be cleaned. No rubbing is necessary, except in extreme conditions. Wipe off with an additional clean sponge, rag or cloth. On glossy surfaces, an additional wipe with a damp sponge will minimize streaking. With heavy deposits Corium Z86 should be allowed to stand on the job for several minutes before removing.

APPLICATION METHOD TWO

Dilute Corium Z86 with water in an industrial hand sprayer or any other conventional spray equipment. Spray on the surface to be cleaned and wipe off with a clean cloth. On glossy surfaces, give an additional wipe with a damp cloth to eliminate streaking. With heavy soils, the solution should be allowed to remain on the surface for several minutes before removing. Where the conditions permit, the wiping process can be replaced with rinsing with water or steam under pressure.

APPLICATION METHOD THREE

Dilute Corium Z86 with water to the necessary strength for the severity of the application. The job to be cleaned is immersed into the solution for the necessary period of time. Rinse by dipping or spraying with clear water.

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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 Z86

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

Not classified as hazardous.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS Number</u>	<u>Wt.%</u>	<u>Classification</u>
2-Butoxyethanol	111-76-2	1-5	Xn;R20/21/22 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.

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

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SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: N.A.

Special Protective Equipment for Fire Fighters: N.A.

Unusual Fire and Explosion Hazards: Dense smoke. Carbon dioxide, carbon monoxide.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

SECTION 7 - HANDLING AND STORAGE

Keep 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.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

2-Butoxyethanol	<u>ACGIH TLV</u> 25 ppm
Tri-sodium phosphate	<u>ACGIH TWA</u> 0.1-0.5 mg/m ³

Eye Protection: Safety goggles

Hand Protection: Rubber or plastic oil resistant gloves.

Ventilation: Use under well ventilated conditions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear yellow liquid

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Odour : Lemon scent
pH: 12
Specific Gravity: 1.02
Vapour Pressure: 16 mmHg @20°C
Boiling Point: 100°C
Melting Point: N.A.
Flash Point: None
Flammability: N.A.
Evaporation Rate: approx. 1 (water = 1)
Solubility in Water: Soluble

SECTION 10 - STABILITY AND REACTIVITY

Stable

Materials to Avoid: Acidic materials.

Toxic compounds may form on thermal decomposition. Hazardous combustion products: carbon monoxide, carbon dioxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

There is no lethal dose information available.

Inhalation: Irritating to the respiratory system.

Skin: May cause irritation, drying and cracking.

Eyes: Cause irritation.

Ingestion: May cause irritation in mouth and stomach, thirst, nausea, vomiting, diarrhoea, with possible collapse if large amounts ingested.

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.

SECTION 14 - TRANSPORT INFORMATION

UN Number : Not regulated

IATA Class : Not regulated, Packing Group: Not regulated

IMDG Class : Not regulated, Packing Group: Not regulated

Not considered hazardous for transport purpose.

SECTION 15 - REGULATORY INFORMATION3

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SECTION 16 - OTHER INFORMATION

R-phrases: R20/21/22 – Harmful by inhalation, in contact with skin and if swallowed.
R37 – Irritating to respiratory system.

S-phrases: S36/37 – Wear suitable protective clothing and gloves.
S46 – If swallowed, seek medical advice immediately and show this container or label.

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.