

CORIUM 95 Universal Germicidal Cleaner & Degreaser

Corium 95 is biodegradable germicidal cleaning concentrate with an effective four way action. Corium 95 cleans as it disinfects while it softens water and deodorizes.

The germicidal efficiency of Corium 95 is characterized by a Rideal Walker coefficient of 3. It is three times stronger than commonly-used disinfectants and germicides. The antiseptic properties of Corium 95 not only assist with the physical removal of germs, they also kill germs on contact and suppress the future breeding of germs.

The addition of synthetic detergents, mildly alkaline builders and coupling agents make Corium 95 a remarkably effective cleaner. Corium 95 possesses high fat emulsion properties which break down any grease or oil to aid in the powerful cleaning action. Corium 95 penetrates deep into crevices to clean and destroy hidden germs.

Corium 95 is harmless to metal, plastic, rubber, paint and expensive ceramic and marble decorative finishes. A good rule is, if the surface will accept water, then Corium 95 can safely be used.

ECOLOGICALLY RECOMMENDED

Corium 95 is also biodegradable; it very quickly breaks down in waste systems with a self destructive bacterial action. This prevents build up of waste matter and aids in its dispersal, controlling the pollution of water ways and the environment.

DEODORIZES

Corium 95 attacks unpleasant odors at the source of the trouble. It removes and destroys the odor causing bacteria rather than mask the unpleasant odor with another more dominant perfume. Corium 95 has a natural fresh odor.

SOFTENS WATER

Corium 95 contains softening agents which sequester hard water. This allows the detergent and cleaning compounds to work more efficiently, resulting in a powerful, yet safe cleaning action.

Corium 95 does not soften or damage resilient materials, is non-toxic and does not harm skin. It has a distinctive clear yellow colour.

RIDEAL WALKER

Using phenol as a standard at a concentrate which kills *S. Typhosa* in five minutes, the bactericide is compared. A Rideal-Walker coefficient of 3 indicates that Corium 95 is three times more effective than phenol.

MANY USES:

1. Cleaning animal cages.
2. Swimming pool foot baths.
3. Cleaning kitchenware and utensils.
4. Cleaning, disinfecting and deodorizing rest rooms and toilets.
5. Laundry disinfection.
6. Cleaning of surgical instruments.
7. Washing walls, floors, benches, and public facilities.
8. Washing telephones daily to prevent colds and other diseases spreading.
9. All hospital washing.
10. Veterinarian quarters cleaning.
11. Wiping down food preparation benches and tables in canteens, restaurants, cafeterias, etc.
12. Dishwashing.
13. General cleaning and disinfection of sick rooms.
14. Scouring of milk containers and other dairy equipment.
15. Mould and mildew control.
16. Cleaning shower and locker room floors in golf clubs, hotels, schools, clubs, etc.
17. All food factory cleaning.
18. Cleaning fishing and fish storage facilities, fish markets, etc.

19. Disinfecting and cleaning plastic and rubber goods.
20. Sterilizing and cleaning butcher shop tables, floors, knives etc.
21. Cleaning and sterilizing barber shop and beauty shop chairs, instruments, floors etc.
22. Washing cows udders before milking.
23. Perfect for cold laundering where cold water is used to prevent fabric damage or colour fading, yet disinfection is necessary.
24. Enables safe washing in cold water.
25. Animal washing.

HOSPITAL OPERATING THEATER QUALIFICATION

Corium 95 has undergone evaluation on its conductivity effects in hospital operating theaters under the US NFPA 56A, Sec. 252, par. 2522 and 2533 specifications.

In operating theatres, only the most effective germicidal disinfectants can be used AND they must have the ability not to conduct any electrical charge which might cause delicate electronic monitoring equipment to malfunction.

Corium 95 was used in the ratio of 2 oz Corium 95 to one gallon of water and a test floor was cleaned with it.

The results are as follows:

- Initial Resistance (prior to cleaning) : 1.3×10^5 ohms
- First Application : 1.3×10^5 ohms
- Second Application : 1.3×10^5 ohms
- Percentage change in electrical resistance : 0

Corium 95 proved conclusively to have had no harmful effect on the operating theater's floors and meets the requirements of the NFPA for floor treatment.

HOW TO APPLY

Corium 95 is a bio-degradable cleaning concentrate that not only disinfects during its cleaning operation, but at the same time will soften water and deodorize the atmosphere. The composition of Corium 95 has been carefully-balanced. Do not blend with other cleaners, soaps or detergents.

FOR GENERAL CLEANING

Apply 10ml of Corium 95 per liter of water.

FOR DISH WASHING

Use 5ml of Corium 95 per liter of water.

FOR LAUNDRY

Corium 95 will provide disinfection in cold water. Use Corium 95 mixed only with water. It can be used in conjunction with non ionic based laundry detergents to supplement the germicidal action of the usual boiling process, but is not effective if used in conjunction with soaps and anionic-based detergents.

Corium 95 is especially recommended for use in dairies and dairy farms as it is effective against one of the most volatile carriers and causes of infection - Staph Aureous. It can be applied to the cleaning of calling pens, water troughs, milking buckets and all equipment and machinery used in dairies.

MAGNA INDUSTRIAL CO. LIMITED

Total Quality Maintenance

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MATERIAL SAFETY DATA SHEET

DATE01 Aug 2014

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name/Code CORIUM 95

Company Identification

Omega Manufacturing Division,
Magna Industrial Co. Limited,
1801, Guardian House,
32 Oi Kwan Road,
Wanchai, Hong Kong.

Distributor

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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>
EDTA, tetrasodium hydrate	13235-36-4	5-10	Xi;R22, Xi;R41
Disodium metasilicate	6834-92-0	1-5	C;R34, Xi;R37
Quaternary ammonium Compounds, benzyl-C12-16 -alkyldimethyl, chlorides	68424-85-1	1-3	C;R43, Xn;R21/22 N;R50

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.

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: N.A.

Special Protective Equipment for Fire Fighters: N.A.

Unusual Fire and Explosion Hazards: Not known

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

Acute toxicity: Sodium metasilicate LD50/oral/rat = 1280mg/kg

Eye Protection: Safety goggles

Hand Protection: Rubber or plastic gloves.

Ventilation: Use under well ventilated conditions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colourless liquid

Odour: Mild odour

pH: 12-13

Specific Gravity: ~1.0

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Vapour Pressure: 16 mmHg @20°C

Boiling Point: ~100°C

Melting Point: N.A.

Flash Point: None

Flammability: N.A.

Evaporation Rate: ~1 (water = 1)

Solubility in Water: Soluble

SECTION 10 - STABILITY AND REACTIVITY

Stable

Materials to Avoid: Anionic liquids.

Toxic compounds may form on thermal decomposition. Hazardous combustion products: Not known

SECTION 11 - TOXICOLOGICAL INFORMATION

There is no lethal dose information available.

Inhalation: Irritating to the respiratory system.

Skin: Severely irritating or even corrosive to skin.

Eyes: Strongly irritating. Causes severe, burning pains. May cause eye damage.

Ingestion: May cause chemical burns in mouth and throat.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Large amounts of the product may affect the acidity in water with possible risk of harmful effects to aquatic organisms. The product contains a small amount of a substance which is very toxic to aquatic organisms.

Mobility: No data available.

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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 INFORMATION

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SECTION 16 - OTHER INFORMATION

R-phrases: R21/22 – Harmful in contact with skin and if swallowed.

R22 – Harmful if swallowed.

R34 – Causes burns.

R37 – Irritating to respiratory system.

R41 – Risk of serious damage to eyes.

R50 – Very toxic to aquatic organisms.

S-phrases: S25 - Avoid contact with eyes

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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.