

Cee-Bee Innovative Maritime Chemistry

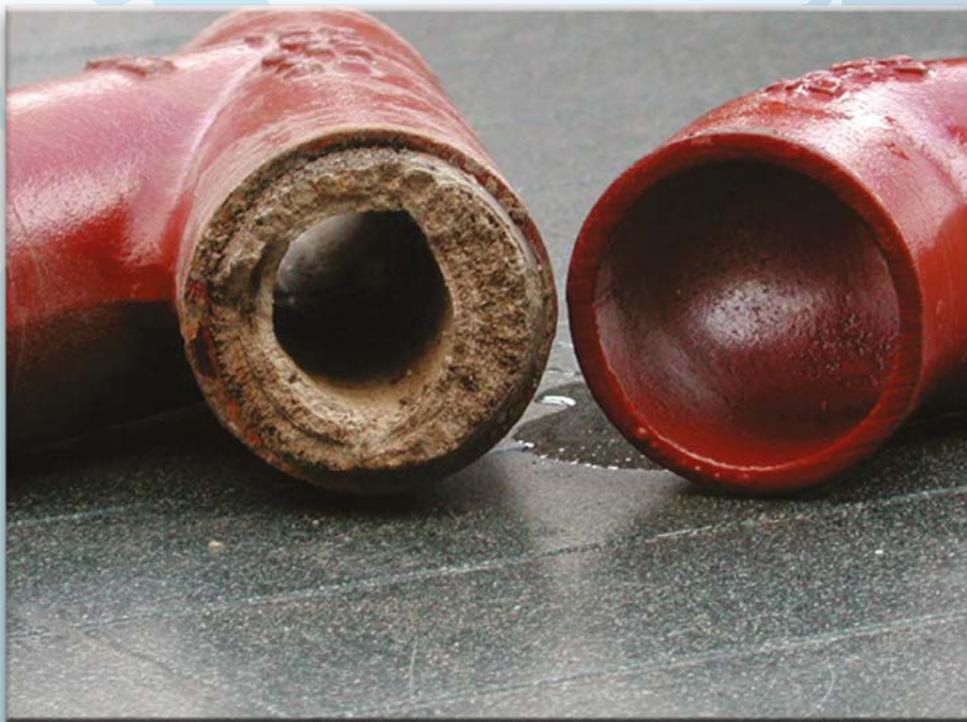
We (dis)solve your problems

PRODUCT CATALOG



Cee-Bee[®]

Innovative Maritime Chemistry



www.ceebeemaritime.com

Cee-Bee Innovative Maritime Chemistry

We (dis)solve your problems

About Cee-Bee Maritime



McGean has been a successful developer, producer and supplier of formulated products for a variety of industries for over 80 years. The Cee-Bee range for the aviation industry consists of a large number of top quality cleaning products. MerchINTs Cleaning & Services (MC&S) introduced this product range in the maritime industry with their GreenBioClean line over 10 years ago.

In Cee-Bee Innovative Maritime Chemistry, McGean and MC&S have now joined forces in a partnership to realize the large-scale introduction in the maritime market.

MerchINTs Cleaning & Services BV is the exclusive world-wide distributor for non-aviation applications of McGean's Cee-Bee aviation products.

www.mcgean.com

www.merchints.nl

About Cee-Bee Innovative Maritime Chemistry



Cee-Bee Innovative Maritime Chemistry not only strives for the highest quality in cleaning products, but also considers environmental consequences and natural resources: All Cee-Bee, Honey Bee and Super Bee cleaning products in this catalogue are biodegradable.

Cee-Bee Innovative Maritime Chemistry promotes the application of re-usable spray bottles for the ready-to-use cleaning products; this is why we deliver mostly our liquid cleaning products in 5 and 10 liter cans. Taps or hand-pumps for such cans and reusable spray bottles to be supplied on request and at cost price.

www.ceebeemaritime.com



info@ceebeemaritime.com

Cee-Bee Innovative Maritime Chemistry

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Cee-Bee™ A-18S Ship en Aircraft Disinfectant

Cee-Bee™ A-18S Ship en aircraft disinfectant is a very effective general purpose, liquid cleaner for ship interiors contains effective non hazardous biocide for controlling bacterial and viral growth.

Deodorizes and controls bacterial and viral growth in galley and lavatory areas; controls odor.

Neutralizes food acids and other acids .

Retards corrosion of aluminum, magnesium and other metals.

Safe on plexiglas, most plastics and good quality paint.

No flash up to and including initial point; non-toxic vapors; non-flammable.

Cleaning walls, seats and windows

Dilute 1 part with 10 parts of water. Spray or wipe on and wipe off with clean dry cloth.

Cleaning, disinfecting galley and lavatory

Use concentrated product or dilute 1 part with 5 to 10 parts of water. Spray or wipe on and wipe off with clean dry cloth.

Cee-Bee™ A-18S Ship en aircraft disinfectant is effective against bacteria, fungi and viruses including Coronaviruses & Sars-Cov-2. Cee-Bee™ A-18S Ship en aircraft disinfectant has been tested for effectiveness by the BluTest institute in the United Kingdom. The conclusion can be found on the right. More information can be found on our website: www.ceebeemaritime.com

Controlling odour from food spills and preventing

corrosion caused by food residues. Dilute 1 part with 10 parts of water. Spray or apply with mop or rag. Do not rinse.

Properties

Thin alkaline solution with pH 11-12 at used dilution.
Non-flammable.
No vapour toxicity.
Surfactants are biodegradable.
Cee-Bee™ A-18S Ship en aircraft disinfectant is available as lemon, pine or jasmine scented.

BluTest
LABORATORIES LTD

CONCLUSION

Verification of the methodology

A test is only valid if the following criteria are fulfilled:

- The titre of the test suspension of at least 10^8 TCID50 /ml is sufficiently high to at least enable a titre reduction of 4 lg to verify the method.
- Detectable titre reduction is at least 4 log₁₀.
- Difference of the logarithmic titre of the virus control minus the logarithmic titre of the test virus in the reference inactivation test is between:
 - Between 0.75 and 3.5 after 5 min and between 2.0 and 4.0 after 15 min for Vaccinia virus
- Cytotoxicity of the product solution does not affect cell morphology and growth or susceptibility for the test virus in the dilutions of the test mixtures which are necessary to demonstrate a 4 log₁₀ reduction of the virus.
- The interference control result does not show a difference of < 1.0 log₁₀ of virus titre for test product treated cells in comparison to the non-treated cells.
- Neutralisation validation. This is called the disinfectant suppression test in this protocol. The disinfectant was neutralised by column chromatography through an Illustra Microspin S-400 HR column to achieve the best possible neutralisation available for this test. The difference for virus is greater than 0.5 log₁₀ indicating rapid irreversible virucidal activity of the disinfectant by dilution at a concentration of 80.0% v/v for VS1. This neutralisation validation has been verified by VS2, which shows the product has been successfully neutralised.

According to EN 14476:2013 + A2:2019, **A-18S RTU POSSESSES VIRUCIDAL** activity at a concentration of **10.0% v/v** of the working concentration as tested after 5 MINUTES at 20°C under CLEAN conditions (0.3 g/l bovine albumin) against Vaccinia virus VR-1549 Elstree strain /Vero cells.

This product therefore is effective against all enveloped viruses as defined in EN 14476:2013 + A2:2019 Annex A*. This therefore includes all coronaviruses and SARS-CoV-2.

Authorised signatory

Dr Chris Woodall, Director
BluTest Laboratories Ltd
Glasgow, UK.
Date: 03 JUNE 2020

DISCLAIMER

The results in this test report only pertain to the sample supplied.
BluTest (BT) has performed the testing detailed in this report using reasonable skill and care and has used reasonable endeavours to carry out the testing in accordance with an EN 14476 protocol. All forecasts, recommendations and results contained in this report are submitted in good faith. However, other than as expressly set out in this report, no warranty is given: (i) in relation to the testing or the use(s) to which any results or deliverables produced in the course of the testing are or may be put by the Client or their fitness or suitability for any particular purpose or under any special conditions notwithstanding that any such purpose or conditions may have been made known to BT or (ii) that the intended results or deliverables from the testing can be achieved or (iii) that the Client can freely make use of the results or the deliverables without infringing any third party intellectual property rights and the Client will be deemed to have satisfied itself in this regard. BT shall have no liability (which is hereby excluded to the fullest extent permissible by law) in respect of any loss, liability or damage, including without limitation any indirect and/or consequential loss such as loss of profit or loss of business, market or goodwill, that the Client may suffer directly or indirectly as a result of or in connection with: (i) the performance of the testing; (ii) the use of any materials, samples or other information provided by the Client for use in the testing; and (iii) the Client's reliance upon or use of any results or deliverables provided as part of the testing.

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SCP 1000
SCP 8003 03147% Vaccinia REPORT TEMPLATE V01
Effective Date: 23 March 2020

BT-AB0-02

BLUTEST LABORATORIES LIMITED, 5 Robroydon Oval, Nova Business Park, Glasgow, UK, G33 1AP
Telephone: +44 (0)141 558 2782. Email: info@blutest.com. Web site: www.blutest.com
Company Registration Number: SC364409 VAT Registration Number: GB 979 1131 96 UKAS Number: 4597

Cee-Bee Innovative Maritime Chemistry

We (dis)solve your problems

Honey-Bee™ MR 120 Scale Remover Gel

Honey Bee™ 120MR Gel is a thickened acidic liquid cleaner, designed to remove hard water scale, urinary scale and accumulated waste materials from vacuum and circulating toilet systems.

The Gel effectively removes scaling from vacuum lines, lavatory holding tanks and components.

Thixotropic properties of the Gel vastly improve dwell time and distribution in vacuum system lines.

Can be applied directly to scale deposits in toilet bowls for local cleaning.

Safe on stainless steel, acrylic plastic and good quality paint.

Non-flammable.

‘Bowl by bowl’ method

Pour 1 liter of Honey Bee™ 120MR Gel in each toilet bowl and flush. Repeat every week for at least 8 weeks. After this period maintain with 0.5 liters of Gel in each toilet bowl every week.



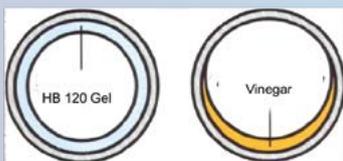
Before



After

With Honey-Bee™ Cleaner 120MR Gel as a remedial cleaning agent, more frequent cleanings will restore the inside diameter dimensions narrowed by scale accumulation. Resumption of a 7-day or longer cycle will then keep urinary scale from forming.

Unlike vinegar or other acid solutions, Honey Bee™ Cleaner 120MR Gel clings to the inside diameter of the vacuum lines and disperses more evenly over a larger surface.



A Maintenance program using Honey Bee™ Cleaner 120MR Gel once a week will lead to immediate savings on labor and materials, while the vacuum system reliability will improve:

Honey Bee™ Cleaner 120MR Gel prevents the scale accumulation that can render a system inoperable.

Honey Bee™ Cleaner 120MR Gel can open heavily-scaled lines through a regular treatment regimen and maintain them with regular usage.

Honey Bee™ Cleaner 120MR Gel viscous property enables it to cling to the entire inner diameter of vacuum lines; vinegar or a phosphoric or hydrochloric acid solutions evaporate by intense vacuum.

Honey Bee™ Cleaner 120MR Gel is safer for employees to use than concentrated, noninhibited acids.

Honey Bee™ Cleaner 120MR Gel is safe for all metals, while exposure to phosphoric and hydrochloric acid causes cracking and possible pitting.

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Cee-Bee™ Vacuum System Cleaning Program

The innovative design of the Cee-Bee™ MR Dual Digital Dosing Unit includes two solenoid valves, digital timer units with LCD screens offering true digital time cycle programming, suction pipe, tank connector and transparent supply hose.



The timers can be programmed to open the solenoid valves at given intervals for a pre-determined duration, ensuring accurate and controlled dosing routines to be maintained. When the solenoid valve is open, the pressure differential in the vacuum pipe will allow the Honey Bee™ MR 120 Scale Remover Liquid to be drawn into the vacuum system. The extra air administering solenoid valve allows for air to be dosed into the system. The periodic air flush simulates a toilet flush, without water, that moves the Honey Bee™ MR 120 Scale Remover Liquid and distributes it over the inside surface of the vacuum pipes.

The Cee-Bee™ MR Dual Digital Dosing Unit was developed after extensive trials, together with our UK distributor, MRH Marine Ltd, and has already successfully cleaned the pipework on two Royal Navy ships where the pipe bore was down as little as 10 mm on some places.

We advise any type of Cee-Bee™ MR Dosing Unit or Dosing pump at the end of every vacuum line in order to keep all lines free from urinary scale.

***The vacuum toilet system remains operational at all times
and the sewage system effectively cleaned whilst all of the vessel's toilets are in operation!***

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Cee-Bee™ Vacuum Toilet System Cleaner

Cee-Bee™ MR Vacuum Toilet System Cleaner has been specially designed for the anti-bacterial cleaning of the toilet bowl and the simultaneous control of urinary scaling of the bowl, vacuum valve and the vacuum pipe system.

Cee-Bee™ MR Vacuum Toilet System Cleaner is dosed into the toilet bowls by the cleaning crew using a certain fixed quantity to clean a toilet on a daily basis

Instructions for use:

Open the child-resistant cap by pressing the places indicated and simultaneously turning. Squeeze the cleaner underneath the rim of the toilet or urinal, leave for 10 minutes, brush if necessary and rinse toilet.

For normal soiling:
Use 15ml (press lightly).

For heavier soiling:
Use 30ml (press firmly).

Contains:
Sulfamic acid 1 - 10%.
Perfume

Art No: 200018

specifically developed
for toilet cleaning and
vacuum toilet system
maintenance



Irritating to skin and eyes. Keep out of children's reach. Avoid contact with eyes and skin. On contact with the eyes immediately rinse with plenty of water and obtain medical attention if necessary. On ingestion immediately obtain medical attention and show packaging or label. Do not use on calcareous materials.

 **Cee-Bee**
Professional Cleaning Products

750 ml e

www.mcgear.com
www.merchints.nl
www.ceebeemaritime.com

Hygienically and effectively removes soiling and even the heaviest urinary scaling

THE MOST POWERFUL

Toilet System Cleaner

The cleaning power from the aviation industry



SQUEEZE BRUSH FLUSH

MerchINTs
Cleaning & Services BV
G. Stephensonstr. 25
8013NL Zwolle
The Netherlands
(+31)572 364 396
info@merchints.nl

Cee-Bee Professional Cleaning Products is a co-operation between MerchINTs Cleaning & Services BV, McGear / Cee-Bee Aviation and Cee-Bee Maritime Products



Siphon before use of Cee-Bee™ MR Vacuum Toilet System Cleaner



Siphon after use of Cee-Bee™ MR Vacuum Toilet System Cleaner

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Honey-Bee™ 100 MR Freshener

Honey Bee™ 100MR Freshener is an aqueous solution of detergents and perfume, designed for deodorizing toilets in place, toilet parts prior to service work and interior and cargo areas. Safe on structural metals.

Effectively combats offensive odors caused by accumulated residue in the toilet tanks.

May be used in the rinse water of equipment used for servicing the toilets in order to prevent offensive odors from permeating interiors.

May be used to deodorize contaminated cargo areas.

In place use

Honey Bee™ 100MR Freshener full strength or diluted with up to 10 parts of water 10 minutes prior to starting work.

In shop use

Toilets and toilet parts taken to the shop for work should be sprayed with Honey Bee™ 100MR Freshener full strength or diluted with up to 10 parts of water at least 10 minutes prior to work. The toilet or parts should be rinsed with high-pressure water spray.

Deodorizing

Honey Bee™ 100MR Freshener can be used for treatment of malodors in the toilet basin galley areas caused by human wastes, vomit, food spills etcetera or by live cargo wastes and other spills in the cargo area.

Contaminated areas should be cleaned well with a cleaner like Cee Bee™ 560MR or Super Bee™ 420 M before being deodorized. The area should then be sprayed down with a 10% solution of Honey Bee™ 100MR Freshener

Properties

Water-thin, pleasantly scented liquid. Biodegradable.

Super Bee™ MR Upholstery Cleaner

Super Bee™ MR Upholstery Cleaner is a ready-to-use general purpose cleaner, excellent for application on vessel upholstery and carpeting

For spot cleaning as well as maintenance

Superb cleaning and degreasing qualities

Free-rinsing

Safe on most modern fabrics

Upholstery Cleaning is a matter of experience. With all the fabrics in use it is impossible to provide a general instruction for the application of Super Bee™ MR Upholstery Cleaner.

Try absorbing liquid soil with clean cloth if possible and in accordance with fabrics manufacturers instructions

Moisten, spray, wipe or brush soiled area with Super Bee™ MR Upholstery Cleaner according to fabrics manufacturers instructions and own experience

Rinse with clean water or absorb with clean cloth or sponge if possible and desirable, depending on type of fabric, fabrics manufacturers instructions and your own discretion

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Honey Bee™ MR Window and Marble Cleaner

Honey Bee™ MR Window and Marble is a clear pink liquid solution for cleaning acrylic and glass windows or other surfaces and marble surfaces.

Rapidly and effectively removes soils from glass, acrylic and marble.

Free-rinsing and fast drying without streaking.

Safe on acrylic, glass and marble

Cleaning surfaces

Honey Bee™ MR Window and Marble is intended to be used as supplied (ready-to-use solution in demineralized water).

Spray solution on surface and wipe off with a lint-free cloth. A clean cloth wet with Honey Bee™ MR Window and Marble may also be used followed by a wipe with a clean lint-free cloth.

Properties

Clear pink solution.

All surfactants are biodegradable.

Non-flammable.

Pleasant odor



Cee-Bee
Innovative Maritime Chemistry

MerchINT's

Cleaning & Services BV

George Stephensonstraat 25
8013NL Zwolle - The Netherlands
+31 (0)572-364 396
info@merchints.nl

Honey Bee™ MR
Window and Marble Cleaner 10 ltr



Not classified
for transport

ENG

EUH210 Safety data sheet available on request

FRA

EUH210 Fiche de sécurité disponible sur demande.

DEU

EUH210 Sicherheitsdatenblatt auf Anfrage erhältlich

NED

EUH210 Veiligheidsinformatieblad op verzoek verkrijgbaar

Manufactured in the UK by McGean-Rohco (UK) Ltd



Cee-Bee
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Super Bee™ MR 420 Industrial Degreaser

Super Bee™ 420MR Industrial Degreaser is a concentrated industrial cleaner specifically designed for degreasing and cleaning ship exterior and interior surfaces.

Excellent cleaner; free-rinsing

Good hard water tolerance

Concentrated solution minimizes shipping container and warehouse costs

Safe on aluminium, high strength steel, magnesium and other materials of ship construction including good quality paint and acrylic plastic

Interior and kitchen cleaning

Mix 1 part of cleaner with 10-20 parts of water.
Wet clean cloth with cleaning solution or spray cleaner on surface using a non-atomizing sprayer.
Wipe off with clean dry cloth.

Exterior cleaning

Mix 1 part of cleaner with up to 20 parts of water, depending on the degree of contamination.
Apply cleaner with mops, brushes or non-atomizing spray equipment.

Steam cleaning

Mix 1 to 4 volume with water.
Mix in holding tank and operate equipment in accordance with manufacturers instructions.
Rinse thoroughly with water.

Tank type cleaning

Mix 1 part of cleaner with up to 5 parts of water.
Allow the parts to soak until soils have been penetrated. Mechanical agitation will reduce soak time. Remove parts from tank area and rinse with water.

 **Cee-Bee**
Innovative Maritime Chemistry
Super Bee™ 420MR 10 ltr
Industrial Degreaser


Cleaning & Services BV
George Stephensonstraat 25
8013NL Zwolle - The Netherlands
+31 (0)572-364 396 - info@merchints.nl



Not classified
for transport

Manufactured in the UK by
McGean-Rohco (UK) Ltd

Warning: H315: Causes skin irritation. H318: Causes serious eye damage. P264: Wash hands thoroughly after handling. P280: Wear protective gloves / protective clothing / eye protection/face protection. P302+352: IF ON SKIN: Wash with plenty of water. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+313: If skin irritation occurs: Get medical advice/attention. P501: Dispose of contents/container to hazardous or special waste collection point.

Attention: H315: Provoque une irritation de la peau. H318: Provoque des lésions oculaires graves. P264: Se laver soigneusement les mains après manipulation. P280: Porter des gants de protection / des vêtements de protection / protection des yeux / du visage. P302 + 352: SI SUR LA PEAU: laver abondamment à l'eau. P305 + 351 + 338: SI DANS LES YEUX: Rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact, si présent et facile à faire. Continuer à rincer. P332 + 313: En cas d'irritation cutanée: consulter un médecin. P501: Éliminer le contenu / récipient dans un centre de collecte des déchets dangereux ou spéciaux.

Achtung: H315: Verursacht Hautreizungen. H318: Verursacht schwere Augenschäden. P264: Hände nach Gebrauch gründlich waschen. P280: Schutzhandschuhe / Schutzkleidung / Augenschutz / Gesichtsschutz tragen. P302 + 352: BEI KONTAKT MIT DER HAUT: Mit viel Wasser abwaschen. P305 + 351 + 338: BEI KONTAKT MIT DEN AUGEN: behutsam für einige Minuten mit Wasser spülen. Kontaktlinsen entfernen, falls vorhanden und einfach zu tun. Weiter spülen. P332 + 313: Bei Hautreizung: Ärztlichen Rat / ärztliche Hilfe einholen. P501: Inhalt / Behälter der Problemabfallsorgung zuführen.

Waarschuwing: H315: Veroorzaakt huidirritatie. H318: Veroorzaakt ernstig oogletsel. P264: Handen na gebruik grondig wassen. P280: Beschermende handschoenen / beschermende kleding / oogbescherming / gezichtsbescherming dragen. P302 + 352: Bij CONTACT MET DE HUID: Met overvloedig water wassen. P305 + 351 + 338: BIJ CONTACT MET DE OGEN: gedurende enkele minuten voorzichtig afspelen met water. Verwijder contactlenzen, indien aanwezig en gemakkelijk te doen. Blijven spoelen. P332 + 313: Bij huidirritatie: een arts raadplegen. P501: Inhoud / verpakking als gevaarlijk afval afvoeren.

Cee-Bee Innovative Maritime Chemistry

We (dis)solve your problems

Super Bee™ MR 560 Multi Purpose Cleaner

Super Bee™ 560MR Multi Purpose Cleaner is a versatile, alkaline, water base cleaner for aircrafts, ships, trucks, buses etc.

Excellent general purpose cleaner, removing traffic soils and exhaust carbon and cleaning interior surfaces of ships as well

Safe on most metals, including low carbon, stainless and high strength steel, aluminum, magnesium, copper, cadmium, tin and zinc

Safe to use on glass, paint and most plastics, including acrylic
Non-flammable; surfactants are biodegradable

Cleaning exterior surfaces with water solutions

For light to moderate soils dilute 1 part with 5 to 10 parts of water. For heavy soils dilute 1 part with 2 to 5 parts of water. Apply cleaning solution with non-atomizing spray equipment, brushes or mops. Start at the lowest point of the surface and work upward. Allow solution to penetrate soils, then agitate lightly with mop or brush. Rinse with free-flowing stream of water starting at the top and working downward.

Cleaning with foam

Dilute 1 part cleaner with 15 to 30 parts of water. Pass through foam generator adjusting air and solution flow for a stable and dry foam. Avoid direct sunlight and wind. At surface temperatures over 50°C cool with a flow of clear water. Apply uniform coat and allow dwelling for a few seconds before agitation with a mop or brush. Immediately rinse with flowing water.

Grease and carbon removal with solvent emulsions

Dilute 1 part of cleaner with 1 to 4 parts of water. Then mix the water solution with 2 to 5 parts of aliphatic petroleum solvent. Mix vigorously for at least 5 minutes. Leave solution for 5 minutes and then agitate vigorously for another 5 minutes.

Emulsion should be stable for about 1 hour. If emulsion splits, recombine by vigorous agitation. Apply emulsion with mops, brushes or non-atomizing spray equipment. Start at the bottom and work upward. Allow to dwell, then agitate with mops or brushes. Thoroughly rinse with free-flowing water, starting at the top and working down. Note: add solvent to increase viscosity or add water for thinner emulsion.

Cleaning interior surfaces of ships

Dilute 1 part of cleaner with 10 to 20 parts of water. Apply cleaning solution using a spray bottle, sponge or clean cloth. Wipe clean with soft dry cloths.

Properties

Clear to straw coloured thin liquid with mild odor. No flash point, pH approx 12, Biodegradable



Cee-Bee Innovative Maritime Chemistry

We (dis)solve your problems

GreenBioClean™ Waste Tank Cleaner

GreenBioClean™ Waste Tank Cleaner will incrementally break down organic build-up in waste tank system and odour control in environmentally sound manner in varieties of waste tank systems including:
Ships, office buildings, hotels, resorts, hospitals and all other waste tank odor problem facilities.

Advantages:

Reduces offensive odor control. Helps prevent waste tank back-up. Prevents clog drain fields and sewer line blockage. Reduces frequently pump-out. Restores natural beneficial bacteria in waste tank system.

Improves and help speed up the breakdown of organic wastes. Accelerates the liquefying process. No residue, environmental friendly and safer to use than harsh chemicals.

GreenBioClean™ Waste Tank Cleaner contains powerful waste digesting enzymes, essential nutrients and selected strains of enzymes producing bacteria.

The enzyme complex acts to break down the organic material into water-soluble nutrients. The selected bacteria digest the released nutrients, multiply and produce more enzymes to continue cleaning the entire waste tank systems facilities under aerobic and anaerobic conditions.

Direction for use and application rate:

Initial treatment of any waste tank system should be four times the volume of GreenBioClean™ Waste Tank Cleaner required for normal preventive maintenance.

As a general rule, normal preventative maintenance is 100 ml of GreenBioClean Waste Tank Cleaner per month, per 1000 liter. For Waste Tank Cleaning, 400 ml of GreenBioClean Waste Tank Cleaner per 1000 liter. Fill the waste tank with clean water and add the GreenBioClean™ Waste Tank Cleaner. Let this solution soak for 24 hours. To proceed the cleaning a flow of the solution is required

Appearance:

Liquid: Medium brown liquid with fermented odor.

Storage Conditions:

For optimal shelf life of minimum 2 years, the product is best stored in cool areas under 38°C. Keep container tightly closed when product is not being removed from container.

George Stephensonstraat 25
013NL Zwolle - The Netherlands
+31 (0)572-364 396
info@merchints.nl

MerchINTs
Cleaning & Services BV

GreenBioClean
maintenance products you can totally trust
www.greenbioclean.com

GreenBioClean Waste tank cleaner
10 ltr

Not classified for transport

Bacterial / Enzyme Complex Mixture Rinse mouth and throat with water if ingested. Wash affected area of skin with soap and remove contaminated clothing. In case of inhalation, remove from area of exposure; if allergic symptoms occur in 0-48 hours, seek medical attention. If eye contact occurs rinse thoroughly with water for several minutes, seek medical attention if irritation occurs. **WARNING STATEMENTS CAUTION! MAY CAUSE SKIN OR EYE IRRITATION. STORE IN COOL DRY PLACE. AVOID CONTACT WITH SKIN AND CLOTHING AND EXCESSIVE INHALATION. WASH HANDS, CLOTHING AND EQUIPMENT AFTER USE.**

Manufactured in the UK by McGean-Rohco (UK) Ltd

Cee-Bee Innovative Maritime Chemistry

We (dis)solve your problems

GreenBioClean™ Barnacle Remover

GreenBioClean Barnacle Remover

Is an environmental friendly and safe to use Descaler Liquid to remove barnacles and scale build-up in your cooling system, such as: Heat Exchangers, Boilers and Cooling pipe (systems).

GreenBioClean Barnacle Remover does not have harmful effects on; Steel, Iron, Copper, Plastic, PVC or other metals and materials.



Why use GreenBioClean Barnacle Remover?

It is a safe non-toxic biodegradable chemical to be used on the waterside of heat transfer equipment.

You don't have to heat GreenBioClean Barnacle Remover.

GreenBioClean Barnacle Remover is safe for the employees.

Your equipment will be cleaned in only hours

Cleans down to the original surface without pitting.

GreenBioClean Barnacle Remover is safe on copper, copper-nickel, iron, rubber and other types of metals.

GreenBioClean Barnacle Remover will extend the usable life of your equipment, especially when used as a part of a regularly scheduled preventative maintenance program.

GreenBioClean Barnacle Remover does also rapidly dissolve water scale, lime scale and it removes mud, rust and other non-soluble water sedimentations safely and effectively.

**Heat exchangers - Sea chest - Coolers - Boilers
Piping Systems - Condensers - Lube Oil Coolers**

Cee-Bee Innovative Maritime Chemistry

We (dis)solve your problems

GreenBioClean™ Barnacle Remover

Why GreenBioClean Barnacle Remover?

1. Easy to use:

- The GreenBioClean Barnacle Remover liquid only needs to be pumped through the heat exchanger or pipe system.
- Doesn't need to be heated
- A minimum of equipment is needed for cleaning
- Loosening of sedimentation is simply due to the chemical reaction and not by pressure or velocity of the medium, therefore a high pump capacity is not required.

2. Fast:

- The equipment will be cleaned within a few hours compared to standard cleaning methods.
- The equipment can be cleaned in-situ.

3. Biodegradable:

- Will not harm equipment or materials.

4. Safe for humans:

- Will not harm your personnel.

5. Save time and money;

- Reduces energy and operational costs.
- Prevents expensive repairs and costly shutdowns.
- Will extend the life span of your equipment.

Heat exchangers of all types become inefficient with scale build-up and dirt especially where sea water is used for cooling or firefighting.

Chemical cleaning, using GreenBioClean Barnacle Remover, is an efficient and cost effective way to remove deposits, residual, corrosion and other obstructive contaminations.

This process is used as periodic maintenance to keep systems free of contamination and blockages.



Removing the scale build up allows your equipment to operate more efficiently with less down time

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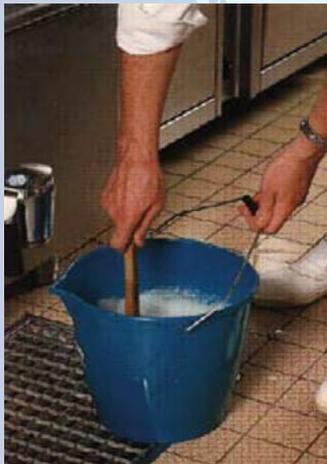
GreenBioClean™ MR Drain Cleaner Powder

GreenBioClean™ Drain Cleaner Powder is a powdered product based on micro-organisms, enzymes and nutrients to liquefy and digest grease, cellulose, starch, surfactants, etc. Rapid and in depth action thanks to the synergetic action of bacteria, enzymes and nutrients.

Provides rapid start-up of grease traps. Allows grease traps to work better and longer with reduced service. Maintains lines clean and free flowing, controls odors. Provides rapid start-up of new septic tanks and accelerate the restart of unused septic tanks after a long time

Grease traps

Empty trap prior to treatment. Fill a 8-10 ltr bucket with luke warm water. Add 2 measuring jugs and stir until the product is in solution. Leave it for 5 minutes and stir again. Add this solution directly to the various kitchen drains. In case of very badly running drains repeat treatment for five days. For maintenance treat kitchen drains once every fort- night and shower drains once every month.



stir until product
is in solution



ad directly
to drains

Drains

To avoid clogging or bad odors add 2 measuring jugs to the drain every fortnight.

Septic tanks

For a 1m³ tank.

Seeding: 6 measuring jugs to be added directly into the tank. Regular maintenance: put 2 measuring jugs in the toilet bowl every fortnight and flush.

GreenBioClean™ Drain Cleaner Powder comes in 4 kg tubs.

GreenBioClean™ Drain Cleaner is also available as a liquid.

Cee-Bee Innovative Maritime Chemistry

We (dis)solve your problems

GreenBioClean™ MR Drain Cleaner Liquid

GreenBioClean™ Drain Cleaner Liquid maintains grease interceptor operation
Beneficial micro organism augments natural processes already at work in grease interceptor
Helps degrade fat, oil, grease and other food organics build-up
Reduces drain line blockages, excessive pumping and malodors
Long-lasting microbial bio-augmentation helps reduce grease trap maintenance
Continuously breaks down odorous volatile fatty acids and odor-causing organics
Long-lasting microbial

Grease traps and drain lines

GreenBioClean™ Drain Cleaner Liquid is a ready-to-use product. For drain lines and grease interceptors apply directly to the head of the drain line system, prior to the grease interceptor. For convenience GreenBioClean™ Drain Cleaner Liquid may be applied intermittently by manual addition, the most effective application, however, is continuous by automated chemical feed pumps.

Interceptor size	Liquid (per day)
500–1,000 gal / 1,892–3,785 L 400–800 meals per day	10–20 oz / 300–600 ml
1,000–1,500 gal / 3,785–5,678 L 1,000–1,500 meals per day	20–30 oz / 600–900 ml
> 1,500 gal / > 5,678 L 2,000 meals per day	> 30 oz / > 900 ml



GreenBioClean
maintenance products you can totally trust
www.greenbioclean.com

MerchINT's

Cleaning & Services BV
George Stephensonstraat 25
8013NL ZwolleThe Netherlands
+31 (0)572-364 396 - info@merchints.nl

Drain Cleaner Liquid

10 Itr

- ENG** P280: Wear protective gloves. Contains "1,2-Benzisothiazolin-3(2H)-one". May produce an allergic reaction.
- FRA** P280: Porter des gants de protection. Contient "1,2-Benzisothiazolin-3(2H)-one". Peut déclencher une réaction allergique.
- DEU** P280: Schutzhandschuhe tragen. Enthält "1,2-Benzisothiazolin-3(2H)-one". Kann allergische Reaktionen hervorrufen.
- NED** P280: Beschermende handschoenen dragen. Bevat: "1,2-Benzisothiazolin-3(2H)-one". Kan een allergische reactie veroorzaken.

Not classified for transport

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