



# AQUA MARINE

**GALLEY, CABIN  
AND HOTEL  
SERVICES**

Bayer-Wood Technologies Limited

*unlocking the genius of nature*





## Aquamarine Chemicals

Aquamarine Chemicals is the marine division of Bayer-Wood Technologies Ltd, a group of British chemical companies. Since 1992.



Our focus is supplying the most environmental products with an ongoing research and development to protect our lives, environment and our oceans.

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## Graffiti / Rubber Boot Mark / Fender Mark Remover

A pale, low viscosity solvent cleaner containing natural cleaning agents, coalescing solvents and quick split surfactants to aid wash off and subsequent effluent treatment.

Ideal as a replacement for traditional kerosene based products, giving greater operator acceptability without any loss in performance. Ideal for use as an operator friendly solvent cleaner when removing paint, wax, inks, pen, grease, bitumen, tyre & shoe marks, oil & chewing gum.

- Very low aromatic content
- Easily removes wax, oil and grease
- Does not contain ethoxylated nonyl phenols
- Pleasant to use – citrus odour
- High flash point
- Forms semi-stable emulsion to assist effluent disposal
- Contains naturally derived solvent
- Low toxicity



### Application

**General Cleaning:** Use neat via brush or swab, allow up to 5 minutes contact time. Then rinse well.

**Dip Tank:** Place components in wire basket, soak in fluid for up to 5 minutes. Remove, drain and rinse with water.

**Graffiti/Tyre Mark, boot mark removal:** Apply to a cloth and rub or soak part to be cleaned, and then rinse with water.

Suitable for most metals, concrete, tiled and plastic surfaces. Not suitable for prolonged contact with natural rubber, asphalt or bitumen.

Packed 4 x 5 Litres

NSN J250-6850-99-359-5218

Product Ref. 0067

## Heavy Duty Foodsafe Galley Floor & Tile Cleaner

A very strong alkaline cleaner with foam additive.

Formulated for the food industry where cleanliness is important. Highly successful in the UK and Scandinavia at major dairies, brewers and meat preparation factories where standard hygiene flooring and walls are fitted and for traditional ceramic tiled floors.

- Effective at higher dilutions
- Easily removes blood and protein residues
- Particularly effective on porous & non porous ceramics
- Stable in hard or soft waters
- Ideal for one step cleaning
- Mixes easily with water

### Application

**Floor and Wall Cleaning:** Dilute in water between 0.5% and 5% depending upon the degree of soiling. Apply by brush, swab, spray or foaming lance. Ideal for dairies, abattoirs and milking parlours, etc. Rinse with water after cleaning operation. Soak all ancillary equipment in a 1% solution. Also available in a non foaming grade. The product may be used neat for a deep clean. Please note the precautions below.

**DO NOT ALLOW PROLONGED CONTACT WITH ALUMINIUM**

**DO NOT MIX WITH OTHER CHEMICALS, ENSURE PRODUCT IS NOT WALKED ONTO CARPETS OR OTHER POROUS OR COLOURED FLOORING OTHERWISE BLEACHING MAY OCCUR.**



Packed 4 x 5 litre plastic containers

NSN J250 6850-99-968-6919

Product Ref. 0068

## **Shipsan® Spray Sterilant**

- Galley - final stage sterilant
- Hospital
- Sauna
- Laundry Areas
- Shower and Shower Heads
- Hose Couplings
- Air Filters
- Drinking Water Hoses
- Can be added to laundry wash
- Removes bio-film

BSEN 1276 / BSEN 13697 for Food & Water - No Alcohol, kills all known pathogens including Norovirus, Legionella, Salmonella, E.Coli, MRSA, etc. 99.9999% Effective, Fast, Safe - Recommended for ship galley and food areas including for final stage sterilant. It can also be used in specific areas where hygiene is of special importance such as accommodation, sick bays, hospital areas, saunas and showers. Fast acting and economical in use.

For more information see [Shipson.co.uk](http://Shipson.co.uk)

Supplied in 500ml fine spray bottles  
(6 x 500ml per pack).

Product Ref. Steri-500/6



## Stainless Steel Wipes - Easy Dispense Tub

A non abrasive smooth cloth wipe for cleaning and maintaining of polished or burnished metal surfaces. Ideal for use in kitchens, breweries, restaurants, hair salons, etc. Easily and quickly removes finger prints, grease or oil splashes and general marking which detract from the appearance of the metal. On drying, leaves behind an ultra light film which resists re-deposition, and allows easy wiping away of any subsequent marking.

- Very effective on most metal surfaces
- Leaves ultra light residual, protective film
- Replaces abrasive pads and/or creams
- Swift action
- Maintains metal appearance as new
- Easy to use
- Leaves surfaces clean and non sticky
- Non tainting



### Application

Always wear latex or PVC gloves to avoid drying of the skin.

Pull out one or two sheets from centre of dispenser lid; wipe over surface and allow to dry. For heavy grease deposits, wiping over with a clean dry cloth after cleaning will remove any chance of streaking.



Supplied in centre pull plastic canisters of 200 wipes

NSN J250-7920-99-171-9189

Product Ref. 0069



## Warm Oven / Combi Oven Spray Cleaner

An award winning, totally biodegradable, low health & safety product with superior effectiveness. This product should be used by spraying into the oven using a special hand-held sprayer with a wand that is designed for ships Combi Ovens.

### Instructions when using machine cleaning cycle

- Note: Always use protective gloves and glasses when handling cleaning agents.
- Let the oven cool down to less than 60 degrees.
- Spread the cleaning solution. Remember also the inside of the door and, if necessary, the back of the air guide plate. Close the door.
- Select “Prog/Start”.
- Select function “Cle”.
- Press “Prog/Start”.
- The cleaning program starts.
- After 40 minutes, the oven gives a signal and the message “Door”. Open the door and rinse the oven chamber.
- Close the door. A ten-minute drying cycle starts.
- When the program has finished, the display shows “End”.
- Turn off the oven and open the door.
- Wipe the door gasket and the inside of the glass dry.

### Manual Cleaning Instructions

- Note: Always use protective gloves and glasses when handling cleaning agents.
- Remove loose scraps of food or dirt from surfaces. Slightly warm oven to 60°C max and then spray a layer of foam. Allow 15 minutes contact time and scrape/wipe off.
- Take care as the residues are still irritant. Repeat if required.
  - Effective
  - Non-Tainting
  - Removes thick deposits
  - Clinging formula
  - High activity
  - Biodegradable

**CONTAINS STRONG ADDITIVES AND MUST BE HANDLED WITH CARE.  
DO NOT USE TO CLEAN ALUMINIUM OR SENSITIVE MATERIALS.**

Pack Size: 4 x 5 Litre (Request spray lance with pack of 4 if required)

## Aquamarine Bio-Brick™

Bio-brick™ is a unique solid format product, combining a high bacterial count with slow release technology, to dose bacteria into waste water and effluent handling facilities.

### Overview

Bio-brick™ provides a way of dosing high numbers of active waste degrading bacteria into grease trap applications without the need to install a pump or make electrical connections as with liquid products. Performance is improved over manual product dosing as there are no missed doses, and the release of bacteria is continuous rather than a small number of times per day as with a manual dose.

Bio-brick™ will gradually dissolve over a 30 to 90 day period depending on the application and the effluent flow. The naturally occurring bacteria contained in the Bio-brick™ will reduce odour, sludge, fats, oils and grease build-up.

Technical features of bio-brick™

- A highly effective product that is based on biological as opposed to chemical action
- Very high bacteria specification for maximum effectiveness in this tough environment
- Specifically selected highly effective bacteria multi strain formula for Production of a wide range of enzymes for organic waste degradation, including lipase to cleave fats, cellulose for fibre and general solids, amylase for starch and protease and for proteins
- Product contains 100% spore form for:
  - Extended product life
  - Product stability
  - Maintenance of original product specification
- Unique slow release solid format
- Simple format will not require additional dosing systems e.g. pumps and electrical installations
- Slow release technology facilitates continuous dosing throughout the life of the product
- One size enables a wide range of effluent volumes to be treated

### Product size and dosing information

- 0.5 kg Bio-brick™ will treat effluent flows of between 1 to more than 100 cubic meters per day (m<sup>3</sup>/day)
- 1 kg Bio-brick™ will treat effluent flows of between 100 to more than 800 cubic meters per day (m<sup>3</sup>/day)
- 5kg Bio-brick™ will treat effluent flows of between 725 to more than 4,000 cubic meters per day (m<sup>3</sup>/day)

## Applications

- Grease Traps - Galley
- Lagoons
- Wet wells
- Holding tanks
- Pumping stations
- Effluent treatment plants
- Effluent Handling Facilities



## How to use and typical results

1. Simply suspend the Bio-brick™ into the treatment area, placing the Bio-brick just away from the highest flow areas.
2. For best results position Bio-brick™ half into water when water level is at the lowest.
3. The Bio-brick™ must be in the water at all times, and not allowed to dry out.
4. The Bio-brick™ will dissolve as the waste water flows over it. Install new Bio-brick every four to six weeks.

## Benefits

- Continuous operation rather than individual doses
- Easy to install - no special equipment required making it very cost effective
- Improved performance compared to manually dosed system - no missed doses
- Effectively breaks down fat and grease build up
- Enhances COD/BOD removal
- Reduces sludge build up
- Eliminated odours at source by reducing anaerobic bacteria activity
- Needs little storage space, easy and safe to handle
- No liquids to handle, health and safety friendly

For high through-put situations we recommend our liquid GD20X Grease Degradar.

Pack Sizes: Available 0.5kg x 12, 5 x 1kg, 4 x 5kg

Product Ref. 0082

## Aquamarine Bio-Card - Effluent & Sanitary odour & bacteria treatment

Aquamarine Bio-card is for use in Sanitary Units, Waste Bins, Commercial Food Waste Bins, wheeley bins, medical waste bins.

**Additional uses:** Protection from moth infestations, de-odourising of sewage tanks, can be used to de-dorising cargo tanks.



Bio-Card is the latest concept for germicidal sanitary unit products.

### How does the Bio-Card work?

It is based on our patented, natural vapour technology and tested to ensure activity throughout the unit for the duration of a service.

The main active components are based on our unique blend of volatile, natural plant extracts such as cinnamon tree bark.

The first noticeable effect of the Bio-Card is the immediate fragrancing action which creates a pleasant cinnamon aroma in the surrounding area.

During this process the natural anti-microbial vapours permeate the whole unit and continue to be effective even when the unit is full.

The active carrier has been specifically developed to release the natural based germicide in a controlled manner to ensure total natural anti-microbial coverage throughout the duration of the service.

### Bio card specification

- Active throughout a sanitary unit for 4 weeks
- Unique testing regime to confirm product efficacy
- Tested in actual sanitary units
- Product testing demonstrates high level of efficacy against broad range of bacteria
- The active ingredient in Bio-Card is proven to be effective against Hep B, Hep C and HIV
- The active ingredient in Bio-Card is used as an effective fungicide and insecticide
- Highly effective odour control working through the unique vapour action
- Pleasant natural fragrance released to the surrounding area when unit is used
- Active ingredient made from unique plant extract formula
- Product carrier is made from totally biodegradable material
- Carrier sourced from a renewable resource
- Extremely effective in lined and unlined bins
- 1 Bio-Card per dose ensures cost effective accurate dosing
- Very easy to use little training for operators required
- Compact packaging reduces shipping costs
- Patented technology
- For use in closed/bin applications
- Urinal odour control

Bio-Card vapour eradicates 99.999% of bacteria and remains effective throughout the life of the service.

Bio-Card - The natural anti microbial solution Bio-Card is a natural anti microbial product this means that it will eradicate bacteria that enter and grow in a sanitary unit or waste disposal bin or tank. Not recommended for use in food areas.

This method of control effectively protects operators and clients from any pathogenic bacteria and prevents any offensive odours developing at source.

### **Why treat sanitary waste?**

Sanitary waste units and waste bins (particularly food) are a breeding ground for micro organisms, leading to the development of mal odours in washrooms, galleys and waste storage areas.

Offensive odours in washrooms leads to a poor perception of service levels by visitors and staff.

The growth of potentially pathogenic micro organisms.

Protection of both operators and clients is a major priority if infections are to be avoided.

Many service companies use products which simply try to mask the malodour and offer no protection to their operators or clients.

The Bio-Card is foil packed so it cannot degrade.

### **Biodegradability**

The Bio-Card carrier has been specifically selected for its low lignin content resulting in greater biodegradability over a shorter time frame. The entire bio-card will biodegrade when disposed of at the end of a service.

The Bio-Card is derived from sustainable materials that safeguard the protection of our environment

The active ingredients derived from plant extracts combined with the natural carrier provides the user with a totally safe solution for treatment of sanitary and waste applications.

### **How to use**

1. Use gloves when handling the product.
2. Remove from foil.
3. Place one unit in area/bin to be deodorised. In toilet areas place on a shelf or suspend in well pierced foil.
4. Replace monthly.

Packed in sealed pack of 200 units.

The Bio-Card will have a shelf life of approximately 12 months if the pack is unopened.

Product Ref. 0081

# Enzyme Grease Trap and Galley Waste Degradar (SUPERC)

## Enzyme System Cleaner

For fat and grease deposits in galley application.

SUPERC is an enzyme based product designed to keep drains and grease traps clear and free-running which might otherwise get gummed up. It will digest fats, greases and organic waste materials by dosing from 200ml daily via critical outlet point at a time when the galley has the longest period when not in use thus allowing the enzymes to work for the maximum length of time.

Enzymes produced by bacteria can initiate breakdown and degrade specific foods:

1. Lipase breaks down fat
2. Protease breaks down proteins such as meat & cheese
3. Amylase degrades starches such as potatoes & bread
4. Cellulase breaks down plant fibre from vegetables

### Dose for Commercial kitchens

- INITIAL Seeding: 1.5 litre per m<sup>3</sup> of trap (directly into the trap)
- Maintenance: with a dosing pump:

NUMBER OF MEALS PER DAY	Maintenance Dosage ml/day
Up to 200	200
200-400	300
400-500	400
600-800	550
800	650
1000	800
1500	1200
2000	1500

### Directions of use for SUPERC

1. Pump the grease trap out
2. Initial seeding: dose SUPERC directly to the trap manhole
3. Maintenance dose: for liquid treatment, place the dosing pump in the kitchen so as to feed the drain
4. Set the timer so as to inject product 1-2 hours after the end of the working hours

### Benefits

1. Proactive versus Reactive treatment - reduce grease before problems occur
2. Odour control
3. Reduction of pumping frequency (3-4 fold less)
4. Reduction of back-ups and flooding
5. Real degradation of grease rather than moving grease downstream
6. Prevent blockages
7. Safe for users and environment
8. NON-HAZARDOUS
9. 25 litre drum

Dosing equipment is available from Aquamarine Chemicals if required.

NSN J250-6850-99-512-2014

Product Ref. 0075

## **Total Enzyme Drain Unblocker**

For use where drains become suddenly blocked usually due to organic waste build up.

This is designed for a fast acting solution without the use of traditional acid products.

### **How to Use**

Take 1 litre and dilute it with 2 litres of warm water – leaving to stand for 10 minutes and then allowing to soak down the drain whether it be blocked or semi-blocked, it may take between 1 and 3 applications to work and clear the line. This product is totally safe and environmental and safe to use within the Effluent Plant.

### **Where to Use**

Recommended for use in Galleys, scuppers, any effluent or waste pipe-work.

Supplied in 4 x 5 Litre per box

NSN J250-6850-99-737-5545

Product Ref. 0078

## Liquid Skin Cleanser - 500ml Can be used without water!

Kind on the environment and your skin.

A pale amber, slightly viscous liquid skin cleanser with a light citrus fragrance. It will remove ingrained dirt, grease, oil and garden stains easily from the skin. It is also suitable for use as a waterless hand cleaner and merely wiped off with a tissue or towel.

- Effective and suitable for both offices and factories
- Can be used daily because of its mildness
- Works with hot or cold water in hard or soft areas
- No residual solvent smell on hands after washing
- Contains emollient to leave the skin soft and supple
- Natural ingredients include coconut oil derivatives
- One cleanser for all staff
- Dispensers available to reduce the risk of cross infection
- Contains no harmful or toxic ingredients

### Application

**Hand Cleaning:** Use up to a 5 gram application onto dry hands. Work well into soil and then rinse with clean water and towel dry. Where water is not readily available rub well into soil and dry using towel or tissue.



Available in 6 x 500ml

Product Ref. 0070



## Natural Zest Cabin Spray

Natural Zest Cabin Spray is a ready-to-use cabin spray suitable for bathrooms, cabins and living areas. Suitable for use in bio-reactor and STP sewage systems.

Natural Zest cabin spray has a lemon fragrance.

- Hard Surfaces
- Mirrors
- Vinyl
- Sinks
- Showers
- Porcelain and plastic
- Glass
- PVC
- Tiles

The product is designed to clean off dirt grime and grease deposits, it is suitable for porcelain, stainless and shower enclosures.



Pack Size: 750ml x 6 per Box

Ref: 0020-750-6

## Ice Machine Cleaner

A solution of very effective biocides formulated to be safe in use and kind to the environment. Suitable for reducing the incidence of unpleasant black mildew by killing bacteria & spores, the usual source of this problem.

Simple maintenance of ice machines, using the ICE MACHINE CLEANER as a sanitizer during will keep systems clean, sterile and taint free.

- Effective at very high dilutions
- Low environmental hazard
- Does not form acid residues
- Universal application
- Effective in hard and soft waters
- Operator safe
- Low odour
- Long term microbial control



### Application

Sterilising; Use at 2% with clean water after clean out, allow soaking for at least 1 hour before removal. May be used diluted at 1% for spray/hand cleaning.

**DO NOT USE WITH ACIDIC CLEANING PRODUCTS.**

The above dilution rates must be adhered to in order to avoid fungal/bacteria spoilage.

Available in PACKS OF 12 X 1 LITRE

RE-ORDER CODE: IMC591

NSN J250 6850-99-323-1105

Product Ref. 0074

## Multi Surface Cleaner - 750ml Trigger Spray Bottle (Packed 12 x 750ml)

Natural MSC Multi Surface Cleaner - 750ml

Unique biologically active liquid formulation containing specialised bacterial strains and biodegradable chemical cleaners. Quickly and efficiently cleans hard surfaces and soft surfaces such as carpet and furnishings.



Triple Action!

1. Cleans
2. Gets rid of smells and odours
3. Deep cleaning from biological action for removal of urine, food, milk, chocolate syrup, tomato sauce, general traffic marks, etc

### Dosage/Cleaning Instructions:

**Carpets and upholsters, drapes, laundry, to remove stains of food and other organic wastes:** After taking away the solids, spray the carpet with Aqua MSC neat, use a wet sponge to brush, scrub and humidify the surface. Let it stand overnight, if possible, then vacuum. Repeat the operation if necessary.

For hard surfaces - spray and wipe!

#### a) Accommodation and general cleaning:

Use from 50 ml up to 500 ml to half a bucket of hand hot water, depending on the surface to clean and the deposition, for cleaning decks, showers, floors, sinks, tiled areas etc

To deodorise a large surface use the product as a normal carpet cleaner in carpet shampoo equipment diluted 1:10 with water. For odour control on these surfaces spray diluted 1:2 with hand hot water. Wait as long as possible and rinse.

#### b) For carpet machine:

To deodorise a large surface use the product as a normal carpet cleaner in carpet shampoo equipment diluted 1:10 with water. For odour control on these surfaces spray diluted 1:2 with hand hot water. Wait as long as possible and rinse

#### c) Pipe cleaning and deodorising:

A nightly squirt into galley and bathroom sinks will keep drain pipes clean and clear of organic residual wastes and overcome unpleasant drain odours.

Pack Size 750ml (trigger spray bottle)

Product Ref. 0076

## **Kettle & Calorifier Scale Remover Sachets**

Descaler for Domestic Calorifiers & Boilers, Coffee machines, heat exchangers & Kettles.

Removes scaled residuals from electric espresso machines, heat exchangers and scaled parts Ideal for the maintenance of espresso coffee machines and heat exchangers, easy to use, economic and safe; periodic use eliminates any blocking problem of the machine, a high-quality product.

### **Instructions for Water Boilers:**

1. You will need to dissolve 2 x 50g sachets into 1 litre of warm water.
2. This can then be poured into the water boiler.
3. Adequate ventilation should be available.
4. Eyes and hands should be protected.
5. The amount of descaler needed will depend on the amount of scale in the boilers. Repeat the above procedure if necessary.
6. The boilers should be thoroughly rinsed out afterwards before being used for beverages.

Use any instructions specific to the water boilers, available from the equipment supplier.

Pack Size: 15 Sachets (50gm Each Sachet)

Ref: KCSR15

## Aquawash Marine Cleaner

Concentrated water-based specialised marine cleaner.

As well as a general shipboard cleaner Aquawash is ideal for use in Galleys. It is hydrocarbon free, Low toxicity, non-caustic, multipurpose, free from hydrocarbon solvents and biodegradable.

- High quality general purpose cleaning and degreasing agent
- Complete safety to the environment and persons handling it
- It is a non-flammable, water based cleaner, safe to use on all materials and can be used in non-ventilated areas. The use of advanced wetting agent gives it exceptional solvency power on dirt, oily residues and Grease.

### How Aquawash is best used:

- It may be used neat or diluted by up to 50 parts of water, according to the amount and type soil to be removed
- Spot Cleaning. Hand sprayed neat or diluted up to 1 - 5 parts water and left for about 20 - 30 minutes before washing off with water.



Pack Size 25 Litre or 4 x 5 Litre

NATO STOCK Number: JO13 7930-998739343 IMO Ref: T1080A







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