

Cleaning: Best Practices



Embracing Cleaning for Responsible Ship Maintenance

Maintaining a clean and hygienic environment on board a ship is crucial for the well-being and safety of crew members, passengers, and the vessel itself. However, the unique challenges and diverse areas found on a ship require tailored cleaning solutions and proactive measures.

In this e-book, we present our customer favourites on shipboard cleanliness, providing you with an in-depth exploration of recommended cleaning products, that will cover best practices, pre-emptive measures, and proactive actions.

Discover area-specific recommendations as we delve into each area of the ship, including cabins, galleys, engine rooms, common areas, and more, identifying the most effective cleaning products and tools tailored to each space. From removing stubborn grease in the galley to maintaining pristine restrooms, we have got you covered.

Whether you are a shipowner, captain, chief engineer, or cleaning professional, this guide will equip you with the essential information and strategies to achieve optimal cleanliness in every area of your vessel.



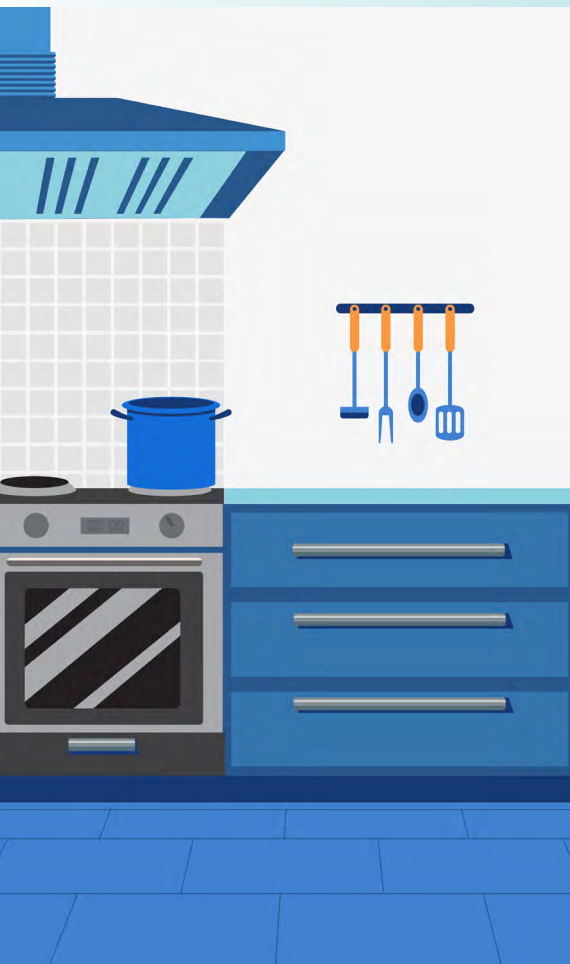


The Galley

The galley is a critical area of any ship where food is prepared and served. It is essential to maintain a clean and sanitary environment to prevent the spread of bacteria and other contaminants that can cause foodborne illnesses.

Galley cleaning must adhere to strict guidelines set by regulatory bodies, such as the International Maritime Organization (IMO), the U.S. Food and Drug Administration (FDA), and other relevant authorities.

Save time with these favourites!



Favourite products for Galley



Unitor™ EASYCLEAN™ Oven & Grill

PRODUCT NUMBER: 778860

PURPOSE	Removing stubborn burnt-on carbon deposits
KNOWN FOR	Highly concentrated ready-to-use solution, that will loosen the carbon deposit bonds on surfaces, making them easier to remove.
WHY USERS LIKE IT	The spray-on application is fast and easy to apply onto affected surfaces.
DIRECTIONS	Spray on cold surfaces and leave on for 15 to 60 minutes before wiping it away with plenty of water or with a wet rag.
FREQUENCY	Daily



Unitor™ EASYCLEAN™ Dishwash Liquid Manual

PRODUCT NUMBER: 778864

PURPOSE	Washing dishes
KNOWN FOR	A mild detergent cleaner for manual dishwashing that can effectively remove stubborn stains and grime with a hint of lemon fragrance.
WHY USERS LIKE IT	The liquid removes grease easily so less effort is required in washing dishes.
DIRECTIONS	Used with a sponge to wash dishes.
FREQUENCY	Daily



Unitor™ Gamazyme™ FC

PRODUCT NUMBER: 659391

PURPOSE	Floor cleaner
KNOWN FOR	Floor care product that provides deep & effective cleaning through eliminating accumulated grease, oil, fats and other organic materials. Eliminate odours that attract insects.
WHY USERS LIKE IT	Reduces slippage and improves safety.
DIRECTIONS	Mix 50-100 ml of product in 5 litres of warm water and use mop to clean floor surfaces.
FREQUENCY	Daily

Cleaning chemicals and processes must be carefully selected and implemented to ensure compliance with regulations and maintain a safe and healthy environment for the crew. Please consult your local WSS representative for more details.



The Deck

It is important to ensure that the deck is always kept as clear as possible. The deck requires regular cleaning and washing, as well as proper storage of equipment to prevent clutter and tripping hazards.

International Convention for the Prevention of Pollution from Ships (MARPOL) and the International Maritime Organization's (IMO) Guidelines for the control and management of ship's discharge.

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Favourite products for Deck



Unitor™ Aquabreak PX™

PRODUCT NUMBER: 575613

PURPOSE	All types of cleaning and degreasing
KNOWN FOR	Multi-purpose water-based degreasing cleaner, safe to use on all materials.
WHY USERS LIKE IT	Multi-functional use, suitable for use on hard surfaces, soft textiles, and glass.
DIRECTIONS	Can be applied by brush or hand spray to any surface. Highly concentrated, to be mixed with water. <ul style="list-style-type: none"> • Light contamination: 1~5% concentration • Heavy contamination: 20% concentration <p>For safe handling and optimal dilution, we recommend the use of the Unitor™ Mixing Station.</p>
FREQUENCY	Daily



Unitor™ Metal Brite H.D.

PRODUCT NUMBER: 571679

PURPOSE	Rust removal
KNOWN FOR	Very highly concentrated non-flammable rust and metal tarnish remover. Cleans, brightens surface and passivates ferrous metal surfaces.
WHY USERS LIKE IT	In addition to removing rust, it also brightens up surfaces and acts as a base for paint to adhere.
DIRECTIONS	Depending on the degree of rust stains, use 10~50% concentration. Rinse off after 15-40 minutes.
FREQUENCY	Weekly

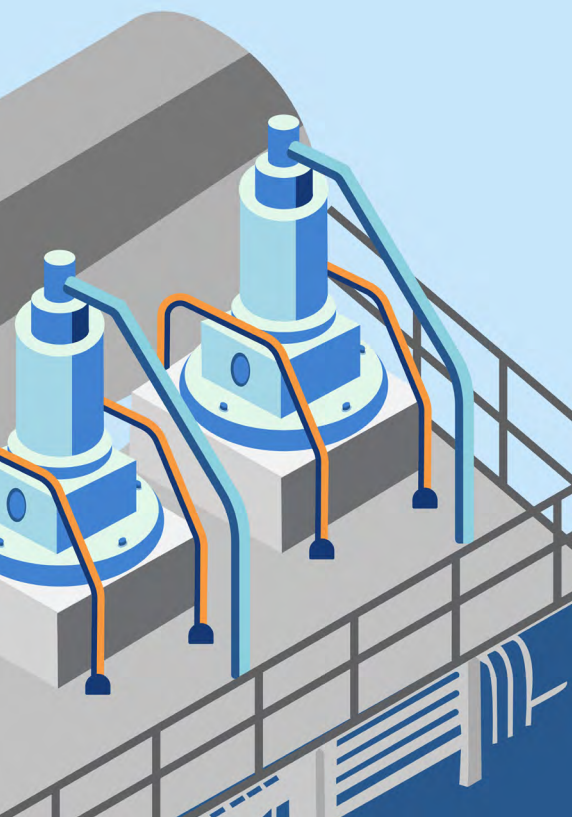


Engine Room

A clean engine room is essential for the safe and efficient operation of the ship. Regular cleaning of the engine room can prevent the build-up of dirt, grime, and debris that can cause machinery to malfunction or even fail.

The IMO's International Convention for the Safety of Life at Sea (SOLAS) sets out specific requirements for the design, construction, and operation of ships, including regulations for the engine room.

Save time with these favourites!



Favourite products for Engine Room



Unitor™ ACC Plus

PRODUCT NUMBER: 698704

PURPOSE	Air cooler cleaning
KNOWN FOR	Cleaning of air coolers, scavenging air systems and the compressor side of turbochargers.
WHY USERS LIKE IT	Non-toxic to handle and to the environment.
DIRECTIONS	Mix ACC Plus with fresh water in a ratio of 25% solution, 75% water. Using injection equipment, inject dosage upstream of the air cooler and leave on for 10 minutes before injecting water to flush deposits.
FREQUENCY	Weekly



Unitor™ Descalex™

PRODUCT NUMBER: 571646

PURPOSE	Rust and scale removal
KNOWN FOR	Descaling by circulation in an immersion bath.
WHY USERS LIKE IT	Contains colour indicator to show the strength of the solution and anti-foam agent.
DIRECTIONS	Mix 2.5-10% Descalex with freshwater and soak problem components in immersion bath.
FREQUENCY	Weekly



Unitor™ Electrosolv-E™

PRODUCT NUMBER: 604389

PURPOSE	Degreasing of electrical parts
KNOWN FOR	Powerful non-chlorinated solvent with controlled evaporation rate for cleaning and degreasing of electrical equipment and parts rapidly.
WHY USERS LIKE IT	Cleans and degreases electrical parts and equipment without the need for rinsing.
DIRECTIONS	Apply by brush, swab, or fine spray with hand spray equipment.
FREQUENCY	Weekly

The best way to work around chemicals is the usage of safety goggles, industry-grade face masks and complete PPE. WSS recommends using Safe Chemical Handling Protection PPE Kit (734781). One should be aware of the nearest eyewash stations and then should be taken in for care, in case of a spill or an accident. Please consult your local WSS representative for more details if needed.



The Toilets

Regular cleaning of the toilets prevents the growth of harmful bacteria and reduces the spread of diseases and infections. A clean toilet improves the comfort and well-being of the crew, and prevents damage caused by a build-up of waste and debris.

Cleaning chemicals and processes must be carefully selected and implemented to ensure compliance with regulations and maintain a safe and healthy environment for the crew.

Save time with these favourites!



Favourite products for Toilets



Unitor™ Gamazyme™ BTC

PRODUCT NUMBER: 589945

PURPOSE	Toilet Bowl Cleaner
KNOWN FOR	Biological active liquid formulation containing specialised bacterial strains that cleans toilets thoroughly and removes bad odour from sanitary system.
WHY USERS LIKE IT	Easy application and suitable for all marine sanitary systems.
DIRECTIONS	Squeeze and direct the jet to adequately cover the surface of the toilet bowl. Scrub bowl and flush with water.
FREQUENCY	Daily



Unitor™ Gamazyme™ TDS

PRODUCT NUMBER: 743146

PURPOSE	Toilet Bowl Descaler
KNOWN FOR	Descaling toilet bowls, toilet systems, drains and pipes.
WHY USERS LIKE IT	Hassle-free and convenient to use.
DIRECTIONS	Leave in bowl for 1 minute to completely dissolve. Brush bowl and flush water in toilet.
FREQUENCY	Weekly



Unitor™ Gamazyme™ Fresh

PRODUCT NUMBER: 743189

PURPOSE	Odour Removal
KNOWN FOR	Immediate odour relief.
WHY USERS LIKE IT	Has a fresh citrus scent.
DIRECTIONS	Spray as needed.
FREQUENCY	Daily

As per Marpol Annex IV, there are strict regulations regarding the discharge of such sewage from ships. Most of the vessels are required to be equipped with a sewage treatment plant which ensures that the sewage is treated before it is discharged into the sea. Please contact your local WSS representative for more information.



Accommodation

The accommodation is the place where crew have their needed rest to function efficiently for next day's work. A clean, decent accommodation is required for the crew's health and well-being.

Minimum standards required to ensure that any accommodation for seafarers, working or living on board, or both, in accordance with the relevant provisions of these Standard. (MLC 2006)

Save time with these favourites!



Favourite products for Accommodation



Unitor™ EasyClean™ Floor & Hard Surface

PRODUCT NUMBER: 778843

PURPOSE	Floor cleaner
KNOWN FOR	Cleaning of floors, tiles, paint work, furnishes, plastics and vinyl.
WHY USERS LIKE IT	The amount of concentrate can be adjusted based on degree of cleaning.
DIRECTIONS	Use with a bucket and a mop.
FREQUENCY	Daily



Unitor™ EasyClean Laundry Power

PRODUCT NUMBER: 778871

PURPOSE	Laundry detergent
KNOWN FOR	Washing both white and coloured clothes.
WHY USERS LIKE IT	Leaves clothes with a pleasant smell.
DIRECTIONS	Add 50 ml of EasyClean™ Laundry Powder per 3 - 5 kgs of clothes into the dosing chamber of the washing machine.
FREQUENCY	Weekly



Unitor™ EasyClean™ Cleaning & Disinfection

PRODUCT NUMBER: 778845

PURPOSE	Cleaning and disinfecting surfaces
KNOWN FOR	Eliminating and avoiding transmission of bacteria, fungi and viruses.
WHY USERS LIKE IT	Powerful and effective Virucidal disinfectant cleaner, proven to kill bacteria and enveloped viruses.
DIRECTIONS	Dilute concentrate to 1% solution with Unitor Mixing Station 4-4 / 4-14 and apply via cloth, mop, spray, soak for at least 15 minute then rinse off.
FREQUENCY	Weekly

Proper housekeeping and safe ship working practices ensure a comfortable working environment and are critical for staying safe on the open water.

Handle Chemicals With Extra Care

Extra precautions should be taken where the cleaning involves use of any chemicals. The chemicals should be handled as per product safety data sheet (SDS).

Protective Gear:

When it comes to disinfecting ship areas and handling chemicals, the safety of onboard personnel is paramount. Wearing appropriate personal protective equipment (PPE) is not just a precautionary measure, but a necessity to protect oneself from potential hazards and ensure a safe working environment. The following PPE is strongly advised to adhere to safety whilst cleaning.

Safety Hand Gloves:

Onboard ships, a variety of hand gloves are provided to cater to different operational requirements. Specialized chemical-resistant gloves are available to serve as a protective barrier, shielding the hands from heat, chemicals, and other potential risks.

Goggles:

Our eyes are incredibly sensitive, and accidents resulting in eye injuries can occur during routine ship operations. To safeguard this vital sensory organ, the use of protective glasses or goggles is highly recommended. These eye protectors shield against potential splatter or spills.

Chemical Suit:

Chemical usage is a regular occurrence onboard ships, and certain chemicals can pose serious risks when they come into direct contact with human skin. To mitigate these dangers, a chemical suit is an essential piece of protective gear. This specialized suit acts as a barrier, preventing direct contact between hazardous substances and the skin. By wearing a chemical suit, individuals can safeguard themselves from potential chemical burns, skin irritation, and other adverse effects.

By diligently adhering to these safety practices and avoiding touching your face during cleaning operations, you can significantly minimize the risk of accidents, injuries, and long-term health consequences.

Mixing Stations:

The use of mixing stations introduces a safety measure that minimizes risks of spillage and mishandling. By eliminating the need for manual mixing, we can optimise chemical utilization, employee safety and chemical mixing accuracy.







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