

UNI CHS

Cargo Holds' Shield to Improve the Cleaning Operations on Bulk Carriers

Technical Information

Physical Data

Appearance:	Clear liquid.
Specific Gravity:	From 1.00 to 1.05 g/cm ³ .
Flash Point:	None.
pH (1% Solution):	6.5 ± 0.5.
Classification:	Not regulated.

Description

UNI CHS is a water-based, safe coating designed to enhance the cleaning processes on bulk carriers involved in the transportation of various dry cargoes, including:

- ▶ Coal
- ▶ Pet-coke
- ▶ Cement
- ▶ Iron ore
- ▶ Sulfur
- ▶ Salt
- ▶ Bauxite
- ▶ Other staining dry cargoes

Advantages

UNI CHS forms a water-soluble barrier within cargo holds, which can be effortlessly removed, even with cold seawater. It is user-friendly and can be applied using low-pressure spray equipment, suitable for all metals, alloys, and coatings. By filling the pores in the coating, it safeguards the paint against cargo penetration. Moreover, the product is non-toxic, non-flammable, non-corrosive, non-oxidizing, and odorless.

Application

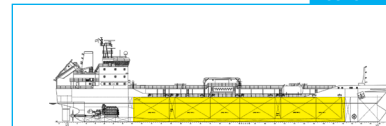
To ensure optimal protection against corrosion and staining, it is crucial to have cargo hold surfaces as clean and dry as possible before applying UNI CHS. In case cargo holds have been washed with seawater after discharging the previous cargo, rinsing with fresh water before applying the coating is recommended.

UNI CHS is a ready-to-use solution, and one liter (depending on the application method) can cover an area of 15 to 20 m². A single application is sufficient to establish the necessary protective layer. Maintain a nozzle distance of approximately half a meter from the surface, and as soon as the area appears wet with water, a proper film will be formed. Avoid excessive application.

For the best protection, allow the film to dry completely before loading the cargo. The drying time is dependent on ambient temperature and humidity, varying from 1 to 6 hours. Once dried, UNI CHS creates a non-sticky film on the surface, effectively filling the micro-pores of the coating, preventing the entrapment of small particles.

This product significantly aids in post-cargo discharge cleaning. After discharge, cleaning the tanks with high-pressure water is sufficient, as the film is water-soluble. However, using a detergent mixed with water can prevent parti-

USAGE AREAS



Tank Cleaning and Maintenance

PACKAGING



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cles from re-depositing on the surfaces. For such cleaning, we recommend using a standard alkaline detergent such as ECOCLEAN or UNICLEAN GP, both of which are IMO approved and can be used at a lower concentration (e.g. 0.5%).

Health Safety and Environment (HSE)

Uniservice Unisafe Srl have carefully developed their products to minimize the safety risks and environmental impact of using their products. However, Uniservice advises that, prior to using its products, users should read in detail the accompanying Safety Data Sheet and ensure that its products are applied within the required HSE regulations of the country in which the user operates. Best practice and safety requirements should be followed which will likely include method statements and risk assessments, together with any specific requirements of the user's own company HSE requirements.

Important Notice

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, this information is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you do a test to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by Uniservice Unisafe Srl hereunder are given gratis, and Uniservice Unisafe Srl assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk. Product images are for reference purposes only.

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