

No.:551081



## BRAINCHEM MB HD

- Eco-friendly
- Biodegradable
- non-toxic
- Wide range of applications
- Removes hardness stains

**Tank Cleaner Acidic cleaning to remove hardness stains and residues after tank cleaning operations**

### DESCRIPTION

Brain Chem MB HD is based on Citric acid, phosphoric acid and non-ionic surfactants. Brain Chem MB HD is used for the removal of IMO Annex II carry cargos, Vegetable oil, Palm oil, Most for fatty oil and hardness stains after tank cleaning operations.

### ADVANTAGE

- Effectively removes hardness stains
- Safe on most coatings and common metals
- Removes IMO Annex II carry cargos, Palm oil, and Vegetable oil.

### APPLICATIONS

When chemical tank discharging vegetable oil, Palm oil and Fatty acid oil cargo, Surveyer need WWT for next cargo, Brain Chem MB HD suitable for all acid cleaning and Alkaline neutralized cleaning like after discharging caustic solution. Above residues are most common after loading many cargos included in ANNEX II - IMO Guide lines for tank cleaning.

### DIRECTIONS FOR

Tank Cleaning Annex II carry cargo, Like Palm oil, Vegetable oil, In case hardness stains and/or residues are present after completion of tank cleaning operations, either inject 0.5 % Careclean Rust directly into the automatic washing system for approx. 30 minutes to 1 hour (with a minimum of 1 cycle) or circulate a 0.5 % 3% solution of Brain Chem MB HD in freshwater at a temperature is 70 - 80 °C for 1 hour.

**BRAIN CHEM INT PTE LTD**  
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Brain Chem MB HD is suitable to be used on epoxy and stainless steel coatings, it is not suitable to be used in zinc coated tanks.

### General

In most cases Brain Chem MB HD is applied by brush diluted with water to a 0.5 - 3 % solution. The reaction time has to be 5 - 10 minutes. Small objects can be soaked in a plastic container. After cleaning, rinse items thoroughly with a water jet.

### DOSAGE

Tank cleaning	0.5 - 3 % solution
Hold cleaning	10 - 50 % solution
Paintwork	10 - 20 % solution
General	10 - 50 % solution
PROPERTIES Article number	551081
pH	2,0
Density	1,28 g/cm <sup>3</sup>
Flashpoint	Not applicable
Physical state	Liquid

### TECHNICAL INFORMATION

Brain chem MB HD is compatible with most tank-coatings. To be sure measure the pH of the coating or revert to BRAIN CHEM INT PTE LTD for further technical information. We recommend users to refer to MARPOL Annex II for use of cleaning agents or additives (see latest edition MEPC.2 circular issued annually in December). Additional reference can refer to the IMO publication: IMO/UNEP Guidelines on Brain Chem HCF Application and Environmental Consideration. This book gives more information on the application of dispersants. We would also wish to point out that the use of dispersants in many countries is governed by the local authorities or Coast Guards and permission to use the product must be thought.

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