

No.:551043



## BRAINCHEM BUFFER

Hydrocarbon Free  
tank cleaning  
compound

- Eco-friendly
- Biodegradable
- non-toxic
- Wide range of applications
- Suitable on all common metals & coatings

Safe buffer at a pH of 5,5  
for application on zinc  
silicate coated tank  
surfaces

Tank Cleaner Remove Animal, Mineral & Vegetable oil

### DESCRIPTION

Brain Chem Buffer is a cleaning agent safely buffered at a pH of 5,5 for application on zinc silicate coated tank surfaces. Brain Chem Buffer is based on a complexing mild acid solution in combination with synthetic detergents and surfactants.

### ADVANTAGE

Brain Chem Buffer can safely be used on zinc silicate coating for the removal of:

- IMO ANNEX II carry Cargos, Vegetable oil and Palm oil.
- Iron stains
- Dyes discoloration
- Traces of chloride and sulfid

### APPLICATIONS

Tank Cleaning Before cleaning with Brain Chem Buffer it is recommended to prewash with hot water.

### Recirculation Method

Recirculation is highly effective and widely used. In this method a chemical solution is pumped via a closed loop through a mechanical tank washing machine. The chemical solution is normally prepared in the tank to be cleaned or in the slop tank. Heat is achieved by the use of a heat exchanger, steam coils or live steam injection. The advantages of this method are that heat and chemicals are recovered and can be used again to clean additional tanks. It is important to use fresh water only. The use of river- or seawater will cause a reaction which decreases the efficiency of the solution .

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BRAIN CHEM BUFFER discover the difference Recirculation Method Make sure to first introduce the fresh water into the tank before adding BRAIN CHEM BUFFER. Depending on the degree of contamination BRAIN CHEM BUFFER is circulated as a 0.5- 3 % solution for a period of 45 - 60 min. at a temperature not exceeding 45 °C. Rinse the tank with Demineralized (D.I.) water, in case high purity standard is required.

### DOSAGE

Spraying	10 % in fresh water
Recirculation	0.5-3% in fresh water
Tank cleaning	0.5-3% in fresh water

### PROPERTIES

Article number	551043
Ph	5,5
Density	1,02 g/cm <sup>3</sup>
Flashpoint	None
Physical state	Liquid

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### TECHNICAL INFORMATION

BRAIN CHEM BUFFER 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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