



# METACLEAN™ HF1

## Heavy Duty Alkaline Foam Cleaner Technical Information Sheet

### Description & Application:

Metaclean HF1 is a blend of chelating agents, surfactants sodium silicates and corrosion inhibitors to produce a heavy duty alkaline foam cleaner that finds wide application in food and fish processing industries and in agricultural cleaning applications.

Metaclean HF1 also finds use in cleaning and removal of salt/chloride contaminants from ships, docks and marine installations.

The product contains a corrosion inhibitor system that ensures it is safe to use on plant and equipment, even those made from aluminium or zinc galvanized steel.

The cleaner is normally applied using a high or low pressure water washer fitted with a foaming lance, but application by swab or mop processes may also be suitable.

Primary features attributable to Metaclean HF1 are:

- Powerful heavy duty non-caustic, foam cleaner;
- Suitable for all metal substrates, plastics and rubbers,
- Liquid concentrate for easier handling, concentrate is very stable;
- Free rinsing to leave attractive, bright finish;
- Improved product durability and reduced downtime leads to reduced operating costs;

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### Applications

Metaclean HF1 is highly effective for the removal of soils and surface contaminants, including salt deposits and chloride contaminants, from metallic and ceramic surfaces as well as wood, paints, plastics and other hard surfaces.

Metaclean HF1 is ideal for foam cleaning applications in food and fish processing industries and in agricultural applications. It is also powerful enough to find applications in marine and dockside cleaning.

### Compatibility



Certificate No. GB06/69741

Safer  
Solutions  
For Industry

Metaclean HF1 is compatible with the metal alloys, plastics and elastomers normally encountered in the food processing and handling industries.

## **Health and Safety**

Metaclean HF1 is based on essentially non-toxic chemicals. It is not flammable, is neither a known or suspected carcinogen and is formulated using environmentally acceptable detergents and surfactants. It does not contain any endocrine disrupting compounds that are damaging to watercourses.

Metaclean HF1 is however classified as corrosive and contact with eyes and skin should be avoided.

See Safety Data Sheet for details.

## **Typical Properties**

Appearance	Clear pale yellow coloured liquid
Odour	Slight detergent odour
pH	10% solution 13.1 units 1% solution 12.1 units
Density @ 20 °C	1.10
Solubility in water	Completely miscible

Storage life in original, unopened containers, at between 0 °C and 35 °C is not less than 36 months.

## **Directions for Use**

### **Application:**

Metaclean HF1 must be diluted with water prior to use.  
Apply through specialized foaming equipment.

### **Food/Fish Processing Areas and Agricultural uses:**

Set concentration to achieve between 3 and 10% of Metaclean HF.  
Use a concentration at the upper end of the range quoted for cleaning in high risk or highly contaminated areas.

Use convenient temperature necessary to effect cleaning.

### **Ships, Docks, Marine installations:**

Set concentration to achieve between 3 and 5% of Metaclean HF.

Use convenient temperature necessary to effect cleaning.

### **Application:**

Apply the cleaner working from the base upwards, ensuring that any gaps, crevices and corners receive particular attention.

Leave cleaner in contact with surface for between 15 and 30 minutes to enable it to work. Any stubborn contaminants should be agitated using a nylon fibre pad or stiff bristle brush to assist emulsification and obtain the best results.

DO NOT ALLOW THE CLEANER TO DRY OUT.

Finally, rinse the surfaces well with water, working from the bottom upwards.

NOTE: For use on sensitive surfaces/materials test a small inconspicuous area before application.

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## **CONTACT DETAILS:**

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## **Packaging Details:**

Metaclean HF1 is available in:

- 25 Litre Containers.