



## UNICLEAN HD - INERT GAS RESIDUES

### INTRODUCTION

UNICLEAN HD is specifically designed to improve cleaning efficiency while overcoming the limitations imposed by Liquid Caustic based cleaning compounds. UNICLEAN HD can also be used as a deodorizing wash in all applications. UNICLEAN HD is extremely effective for the cleaning and removing of heavy contamination of inert gas soot.

### APPLICATIONS

Recommended tank-cleaning procedure for removing IGS (Inert Gas Soot) stains from tank linings using UNICLEAN HD

1. Mix solutions of UNICLEAN HD either in tank bottom or void space.
  2. Dilution rate with water between 5% and 8%, depending upon light or heavy contamination. Recent experience has shown that a 7% - 7,5% solution secures successful cleaning.
  3. Do not use the entire quantity of UNICLEAN HD in one solution for all tanks to be cleaned. Save a few drums (2-3) to "boost" the solution for cleaning the last 20%-25% of the tanks to be cleaned.
  4. The solution may be used at ambient temperature, however, it is suggested that a minimum temperature of 70°C will enhance the cleaning ability and shorten the cleaning time.
  5. Proceed to recycle the cleaning solution through the tankwashing system for a period of two hours minimum per machine drop. Usually a cleaning time of 4 hours per tank will prove sufficient.
  6. At completion of chemical application begin washing down with water, using maximum pressure available.
  7. Inspect tank surfaces and if there remain some IGS stains, spot clean with undiluted UNICLEAN HD directly on the stained area.
- Allow a reaction time of 30 minutes and then rinse with water.

NOTE: UNICLEAN HD can be used safely on any surface area with the exception of inorganic zinc coated tanks.

Our general recommendations are to clean tanks for inert gas residues to a degree of cleanliness where no contaminants are to be tolerated in the next cargo. Re-circulate or inject UNICLEAN HD at 5% strength in fresh water, for light contamination, and at 7% - 7,5% solution in fresh water, for heavy contamination, after the tanks have been stripped and rinsed. Modified procedures and percent solutions vary with other cargoes. UNICLEAN HD can also be applied neat in spray applications followed by a rinse.

Code: 161161420

### UNICLEAN HD

Extremely effective for removing inert gas soot

- Unique multipurpose tank-cleaner and general degreaser for stainless steel and epoxy coated tanks
- Adds substantial degree of safety to the washing process due to its non-hazardous base.
- Unique for cleaning inert gas soot
- Minimizes the extreme hazards to ship personnel when handling liquid caustic based materials
- Biodegradable
- Non-Toxic
- Non-Pollutant
- Safe and Easy to use

### PRODUCT CHARACTERISTICS

Appearance: clear liquid  
Corrosive action: none on ordinary metals  
Specific gravity: 1,1 (20°C)  
Flash point: none

IMO Class: not regulated  
UN Number: not regulated  
ADR: not regulated



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General Dosage of the product is as follows (depending on severity):

Rust Stain Removal : 2% - 5%

Mineral Oil Removal : 4% - 8%

Interior Cleaning (Walls, Floors, etc) : 0,5% - 1%

Immersion Baths : 10% - 100%

Fish Oils : 3% - 5%

Hydrocarbons : 3% - 5%

UNIMARINE Service Engineers are available to review your specific problem and offer recommendations for the best results at minimum costs.

### NATURE OF SPECIAL RISKS AND SAFETY ADVICE

In accordance with the latest EEC Council directives this product is not subjected to any recommendation.

Voluntary UNIMARINE recommendation:

R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed

S2 : Keep out of reach of children



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