

## **MAR CLEAN HD HEAVY DUTY SOAK TANK CLEANER**

MAR CLEAN HD is a heavy duty, general purpose cleaner for steel, copper and brass.  
It is an excellent product for removing heavy oils, drawing pastes, and greases.

### APPLICATION

Steel :	Concentration	6 - 15 oz. / gal.
	Temperature	140 - 200 deg. F
Brass & Copper :	Concentration	4 - 8 oz. / gal.
	Temperature	140 - 180 deg. F

### TYPICAL CHEMICAL PROPERTIES

Free Alkalinity	48% Na <sub>2</sub> O
Total Alkalinity	62% Na <sub>2</sub> O
pH, 1% solution	12.5

### CLEANER SOLUTION CONTROL

Collect a 10 ml. sample of solution to be tested. Add 5-7 drops methyl orange indicator. Titrate to a red endpoint with HCL Acid (1.0 Normal).

Number of ml.s of 1.0 N Acid x 0.66 = oz.s / gal. of MAR CLEAN HD

### OPERATING NOTES

Dissolve MAR CLEAN HD into water at a minimum of 130 deg. F. Mild steel equipment is satisfactory.

### PACKAGING

MAR CLEAN HD is available in 400 lb. (net) fiber drums.

**PRECAUTIONS DANGER !** Contains Sodium Hydroxide (powder). Causes burns. Do not get into eyes, on skin, or on clothing. Do not take internally. When handling, wear appropriate protective clothing including gloves, goggles and face shield. When making or adding to solutions, add powder slowly to solution to avoid spattering. Read and understand Material Safety Sheet before using to gain additional information concerning the safe handling and use of this product.

For additional information, product samples, etc., please contact;  
MAXIM OIL & CHEMICAL COMPANY  
Fort Worth, Texas, 76140 - Metro (817) 654-4456

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