



PRODUCT BULLETIN

AC-1540

Safe Acid Water Scale / Rust / Zebra Mussel Remover

General Description

AC-1540 is an aqueous blend of urea hydrochloride (safe acid) and detergents designed to rapidly clean and descale production equipment, heat exchangers, piping, and any equipment contaminated with barnacles, mussels, calcium, rust and other mineral deposits that restrict the performance of critical water systems. **AC-1540** contains corrosion inhibitors to minimize the attack of the acid on iron, chrome, stainless and aluminum surfaces. **AC-1540** is formulated to work quickly and effectively, thus minimizing the amount of time the product is in contact with sensitive surfaces. **AC-1540** is phosphate free, biodegradable and contains no VOCs and is DOT non regulated. Neutralize with any available alkaline (soda ash, caustic, etc.) prior to disposal.

Application

AC-1540 should always be diluted prior to use. The typical all purpose dilution for circulation cleaning of water scale and rust is 1 part **AC-1540** to 4 parts water (20% solution). Circulate 2 - 4 hours (or until scale is removed), flush with clean water. In soaking operations to remove barnacles or mussels, use a 20% solution and soak until solution is spent or contamination is dissolved. Severe infestations may require repeated soakings over several days to completely clean. Minimum dilution is 10% by volume and product should not be used higher than 30% concentrate. When used for surface cleaning of heat exchangers, pre-wet surface to be cleaned, spray product on and allow adequate time for penetration of soils, rinse thoroughly with clean water. On vertical surfaces, apply product to wet surface from bottom to top to avoid streaking. Test kit K-1547 can be used to monitor concentration during removal process.



Offshore water suction line, over 70% blocked, required 5 soakings of 20% solution for complete removal.

Physical Properties

Color	Yellow
Specific Gravity	1.17 - 1.19
pH	1.0 - 3.0
Solubility in Water	100%

Availability

AC-1540 is available in UN approved 5 gallon pails, 55 gallon drums and bulk tanks.

Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply.