



SPECIALTY ENVIRONMENTAL CHEMICALS AND EQUIPMENT

PHOS-SCRUB

DESCRIPTION:

Phos-Scrub is an industrial acidic cleaner. This product is water-based and is comprised of phosphoric acid, surfactants, and solvents. The surfactants and solvents allow the acid to deeply penetrate surfaces such as tank walls and concrete. Phos-Scrub is excellent for removing rust, deep stains, color, oils and other residues from tank walls. Phos-Scrub is also an excellent passivator. Furthermore, this product removes calcium and lime deposits on most surfaces. Lastly, Phos-Scrub has been used to pull PCB residues from tank walls to within allowable limits.

PRODUCT USES & APPLICATIONS

- Tank & Line Cleaning
- Concrete Cleaning
- Stain Removal
(on tank walls and concrete)
- PCB Remover
- Calcium & Lime Remover
- Excellent Acidic
Degreasing Agent

APPLICATION INSTRUCTIONS

Dilution Rate	Up to 10 times with water
Set Time	30 min to 24 hrs
Temperature	Warm water helps stripping

Special Instructions: *To avoid a reaction, when diluting this product, always add this product to water. Never add water directly to this product!*

HAZARDOUS INFORMATION

Specific Hazard	Corrosive!
Flash Point (°F)	Above 220°F
Specific Gravity	1.10 at 68°F
pH	1.5-2
Unusual Hazards	None
Other Information	Contains phosphoric acid!

PACKAGING INFORMATION

Available Quantities	5, 30, 55 and bulk quantities
Packaging Material	Poly
Other Information	Do not let product freeze.

CASE STUDY & APPLICATION INFO

2005: Texas Liquid Terminal, Seabrook, TX

A tank cleaning company had already cleaned a tank but was failing the wall test. The wall color was still too high for the tank to allow the next product to be stored. The tank cleaning company tried washing the tank with caustic but still could not get the color down to allowable limits. Vapor Tech was called out and we tested our Phos-Scrub on a small section of the tank. It was allowed to soak for 30 minutes and then it was rinsed with water and dried. A wallwash test was then performed and that area passed. Phos-Scrub was then applied the next day and the tank passed the color test two days later after it was rinsed thoroughly.

2004: Chemical Company in Houston, TX

This customer had a build-up of calcium and lime deposits on fin fans and condenser coils. Phos-Scrub was sprayed on the fans/coils and allowed to soak for a few minutes. After 15 minutes the fans/coils were sprayed with water. Phos-Scrub dissolved the deposits and only one application was needed. The use of Phos-Scrub was then instituted in the customers' SOP for regular cleaning and maintenance of the fans and coils. The Phos-Scrub residues were pH balanced with sodium bicarbonate and then sent to their small WWTP.