

PAA Solutions

Wastewater Treatment News from Solvay Chemicals

Peracetic acid helps keep coastal waters clean!

Studies implemented near coastal waters in 2015 documented how increased salinity enhances peracetic acid's (PAA) degradation in seawater. This year, Scienco/FAST® was awarded US Coast Guard and Transport Canada certifications for all of its standard units, meeting the requirements of MEPC.159(55), MEPC.227(64) and using peracetic acid (PAA) for disinfection instead of chlorination and dechlorination.

Look for the press release from Scienco/FAST regarding this new application for Proxitane® peracetic acid.**

The following table documents not only PAA's applications near coastal waters, but also the effect of peracetic acid when used in other environments.

Degradation of PAA in Water at 20°C (*Teral and Hamon, 1995*)

Type of water	pH	Nominal concentration (mg/l)	Measured concentration (mg/l)			
			Day 0	Day1	Day 2	Day 4
Demineralised water	5	20	19.1	16.7	16	13.7
Drinking water	6	20	18.8	1	0	NS
Seawater	7	20	18.5	0.5	0	NS
Demineralised water	5	10	12	8.3	7.9	6.4
Drinking water	6	10	10.3	.05	0	NS
Seawater	7	10	12.1	0.5	0	NS

NS - Not Stated

Proxitane® peracetic acid could be the answer for many wastewater treatment systems. For more information on PAA, [click here](#) to access Solvay's Proxitane peracetic acid site.

** <http://www.sciencofast.com/>

