

**SWIMMING POOL ACID**

CODE: AM101

**DESCRIPTION:** CROSSCO - SWIMMING POOL is used in swimming pools very similar to the way it is utilized naturally in our bodies. Because of its ability to lower the pH of water, the acid is often used to help regulate the chemical balance in swimming pools.

**RECOMMENDED USES:** CROSSCO - SWIMMING POOL muriatic acid can be used for several pool repairs and maintenance procedures including acid washing, paint and Plaster prepping, brick and tile cleaning, filter and cartridge cleaning & chemistry adjustment.

**DESCRIPTION:**

- Cleans and Repairs
- PH Stabalizer
- Colorless
- Fast Acting Formula

**PRODUCT CHARACTERISTICS**

Muriatic Acid (HCl), %wt	31.5% To 33%
Specific Gravity @ 60 Deg	1.16 To 1.167
Appearance	1.16 To 1.167
Color, APHA	10 Maximum

**PHYSICAL PROPERTIES**

#/Gallon	9.66
Flash Point	N/A
Appearance & Odor	Colorless to slightly yellow liquid. No odor.
Physical State	Liquid
Stability	Stable
Conditions to Avoid	Reacts exothermically with water.
Incompatibility	Oxidizers, metals, alkalis, cyanides
Hazardous Decomposition	Reacts with metals to form hydrogen gas.
Polymerization - Conditions to Avoid	Will not occur-None.
Unusual Fire & Explosion Hazards	Cool containers exposed to intense heat with water to prevent container rupture. Reacts violently with water.

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**GENERAL PRODUCT INFORMATION**

**STAIN REMOVER**

Over time staining can become so severe an acid wash is performed. The pool is drained and acid is poured down the wall of the pool in this procedure. Diluted acid etches away a thin layer of the plaster removing stains, cleaning grout joints, and killing any algae spores that may be embedded into the porous plaster finish. Acid washing can eliminate stains but cannot be performed too often. As the plaster is removed the texture of the pool finish becomes rougher as more sand in the plaster mix becomes exposed. Most plaster coats can withstand 3 or 4 carefully done acid washes over their lifetime. Acid washing a pool should be performed by a licensed professional, as there are many devils in the details.

**ETCHING**

Etching away the existing plaster is actually the goal when prepping to have a pool re-plastered. Known in the pool industry as an "acid burn" undiluted CROSSCO Swimming Pool acid is applied to the pool to help create the rough texture needed for the proper bonding of the new plaster coat. Washing masonry or brickwork with acid neutralizes the alkalinity leaving it optimal to accept paint. For this reason acid rinsing is also part of prepping for painting a pool.

**AVAILABILITY**

AM101-4      4/ 1GAL  
AM101-2      5 GAL

**PH BALANCE**

CROSSCO Swimming Pool acid will lower the Ph and the total alkalinity of water. *Acid will lower pH more than it will lower the total alkalinity.* To properly pool your acid, shut off the pool pumps for 10 minutes to allow water movement to cease. Then, in one area, usually a quiet, deep corner of the pool, put the acid jug under water, and pour it out underwater. This "pooling" of the acid in one area, keeps a greater concentration in one area, resulting in a greater exchange of hydrocarbons and a resultant increase in bicarbonates, which make up your total alkalinity. Adjusting the pH level in your swimming pool to the range of 7.2-7.6 is easily accomplished by adding an acid if your pH is high, or adding a base if the pH is too low.

Keeping pH in range will give the pool owner several benefits, including swimmer comfort and greater chlorine efficacy. A pH level that is too low, is a "corrosive" water condition, which can etch plaster and steel pool components. A pH level that is too high creates a "scaling" water condition, which can cause scale or mineral deposits to form on pool surfaces. High pH levels also makes your chlorine very sluggish, and provides a more suitable environment for algae to flourish.

**SAFETY INFORMATION**

Keep acid away from other chemicals, and never mix acid with any other chemicals. Mixed with Chlorine, and you can create a very dangerous mustard gas. Refer to product Material Safety Data Sheet (MSDS) prior to product use.