AQUABOND
Chemistry for Tomorrow

Technical Data Sheet

Ammonium Persulphate 10% Solution

Product Identification
Product Name: Ammonium Persulphate 10% Solution
Supplier: Aqua Bond Inc., Scarborough, ON
Chemical Name: Ammonium Persulphate 10% Solution
CAS Number: 7727 54 0
Formula: $(NH_4)_2S_2O_8$

Typical Properties

Property	Typical Value	Notes
Appearance	Clear, colorless to slightly yellow liquid	Visual
Odour	Odourless	—
Active Ingredient	10% w/w ammonium persulphate	Aqueous solution
pH	1.5–3.0	Acidic
Density	~1.03–1.05 g/mL	At 20 °C
Solubility	Completely soluble in water	—
Stability	Stable under recommended storage	Avoid heat & contamination

Applications
Oxidizing agent
Polymerization initiator
Etching and cleaning formulations
Water treatment processes

Ammonium Persulphate 10% etches copper at approximately 0.5- 2µm/ min depending on temperature, agitation, and freshness, with post-etch cleaning involving oxalic acid immersion and mechanical scrubbing.

At 40˚C expect 7 to 10 minutes to remove 35 µm(1 oz) copper.
At 25 - 30°C, expect significantly slower etching (possibly 15-25 minutes).
Agitation increases uniformity and reduces undercutting.

Handling & Storage
Store in a cool, dry, well ventilated area.
Keep container tightly closed.
Avoid contamination with organic materials, reducing agents, or metals.
Protect from heat and direct sunlight.

Safety
Strong oxidizer — may intensify fire.
Causes skin and eye irritation.
Use gloves, goggles, and protective clothing.
Refer to SDS for full safety information

The data and statements contained in this bulletin are based on testing information and are believed to be accurate and reliable. This bulletin is not a Guarantee or Warranty, express or implied regarding the products use. The product is sold on the condition that the purchaser will do their own tests to determine the suitability of the product in a particular application.
READ THE SDS BEFORE USING THIS PRODUCT