

## TECHNICAL DATA SHEET

# AV-102<sup>®</sup> CATALYST AP

AMMONIUM PERSULFATE / INITIATOR

### DESCRIPTION

**AV-102<sup>®</sup> Catalyst AP** (often referred to as AP) is a white crystalline solid used as the initiator for the radical polymerization reaction of acrylic and acrylate monomers. Ammonium persulfate is a powder that is a required grout component for **AV-100<sup>®</sup>** Chemical Grout or **AV-118<sup>®</sup>** Duriflex and can be increased from 5 lbs. (1% by total mix weight of 500 lbs.) to a maximum of 15 lbs. (3% by total mix weight of 500 lbs.). When used with **AV-150** Acrylate Gel™ or **AV-160** Supergel™, the amount of **AV-102** is from 10 lbs. to a maximum of 30 lbs. (6% by weight). **AV-102** is a strong oxidizing material which decomposes over time.

### USED WITH

- AV-100 Chemical Grout
- AV-118 Duriflex
- AV-150 Acrylate Gel
- AV-160 Supergel
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### PACKAGING

Product packaged by weight based on specific gravity.  
Net Wt.

Pail	50 lbs. (22.6 kg)
Drum	220 lbs. (99.7 kg)

### SHIPPING

- Motor Class 65
- Hazard Class 5.1
- Air freight available

### CLEANING PRODUCTS

Use water with light detergent.

### PROPERTIES\*

Appearance:	White crystals
Viscosity:	1-2 cP in solution
pH:	4 – 6 (1% solution)
Boiling Point:	Decomposes > 212°F (100°C)
Melting Point:	Decomposes > 212°F (100°C)
Flash Point:	Non-flammable
Specific Gravity (water=1)	1.98
Solubility:	85% by weight @ 77°F (25°C) *Laboratory Results

### MIX PROCEDURE FOR STANDARD MIX

When mixing a 60-gallon batch of **AV-100** (Tank A), add 5 lbs. of **AV-102** to the catalyst tank (Tank B). When adding additional **AV-101** to Tank A, an equal amount of **AV-102** should be added to Tank B. Each tank makes 30-gallons of material. See complete mixing instructions at [avantigrout.com](http://avantigrout.com).

**IMPORTANT:** **AV-102** dissolved in water loses its effectiveness rapidly at elevated temperatures.

### STORAGE

Store in temperatures within or near 45°F – 95°F (7°C – 35°C) in a dry atmosphere and keep the lid closed. Elevated temperatures and moisture will degrade AP. Keep away from reducing agents like **AV-101**.

### SAFETY

Always use OSHA-approved personal protective equipment (PPE). Refer to the SDS for complete safety precautions. The SDS is available by request or via download at [avantigrout.com](http://avantigrout.com).

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