



TECHNICAL DATA SHEET

AV-103[®] CATALYST SP

SODIUM PERSULFATE / INITIATOR

DESCRIPTION

AV-103 Catalyst (often referred to as SP) is a white crystalline solid used as the initiator for the radical polymerization reaction of acrylic and acrylate monomers. Sodium persulfate is a powder that is a required grout component for **AV-100[®]** Chemical Grout or **AV-118[®]** Duriflex, and can be increased from 5 lbs. (1% by weight, total mix weight of 500 lbs.) to a maximum of 15 lbs. (3% by weight). When used with **AV-150** Acrylate Gel™ or **AV-160** Supergel™, the amount of **AV-103** is from 10 lbs. to a maximum of 30 lbs. (6% by weight). **AV-103** 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

PACKAGING

	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:	6.0 (1% solution)
Melting Point:	Decomposes
Flash Point:	Non-combustible
Flammable Limit:	Non-combustible
Specific Gravity (water=1):	2.6
Solubility:	73% by weight @ 77°F (25°C)

*Laboratory Results

MIX PROCEDURE

When using with any of the acrylic and acrylate monomers, add the appropriate amount to the catalyst-side tank only. When adding additional **AV-101** to Tank A, an equal amount of **AV-103** Catalyst SP should be added to Tank B. See complete mixing instructions at avantigrout.com.

Important: **AV-103** 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 SP. 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.

NOTICE

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