

Technical Datasheet

PR12 APSF



Catalyst

Description

PR12 APSF is a catalyst to be used with PR10 ACLM acrylamide. It is a white crystalline solid and used as a polymerization initiator. Ammonium persulfate is a powder that is a required grout component. PR12 APSF decomposes over time as it is a strong oxidizing material.

Other Optional Additives for PR10 ACLM

PR17 LYTX – Increases strength and adhesive qualities (add to grout tank, tank A)

KFe (Potassium Ferricyanide)- Extends gel time (add to grout tank, tank A)

PR15 ETHG – Reduces freezing point, inhibits freezing of grout solution (add equal amounts to both tanks)

Dyes – Water tracer dyes used for tracking grout flow

Packaging

Product packaged by weight based on specific gravity

- Bag = 55 lbs. (net weight)
- Drum= 220 lbs. (net weight)

Storage

Store in temperatures between 45° and 95°F (7 and 35°C) in a dry place. Keep lid closed. Higher temperatures will degrade the product.

Warranty and Disclaimer

Prime Resins, Inc. warrants its products to be free from manufacturing defects and that products meet the published characteristics when tested in accordance with ASTM and Prime Resins standards. No other warranties by Prime Resins, Inc. are expressed or implied, including no warranty of merchantability or fitness for a particular purpose. Prime Resins, Inc. will not be liable for damages of any sort resulting from any claimed breach of warranty. Prime Resins' liability under this warranty is limited to replacement of material or refund of sales price of the material. There are no warranties on any product that has exceeded the "shelf life" or "expiration date" printed on the package label.

Safety

Use OSHA-approved personal protective equipment (PPE), including full face shield, respirator, chemical resistant clothing, safety glasses, gloves and confined space equipment/procedures if applicable. Avoid skin contact; do not ingest. See SDS for complete safety precautions. For professional use only. Use of this product is authorized by Prime Resins only after completion of the required Prime Resins Acrylamide Safety Guide test.

Properties*

Appearance:	White crystals
Viscosity:	1-2 cP @ 72°F (22°C) 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:	80g/ 100ml

* Laboratory results

Mix Procedure for PR10 ACLM and additives (including PR 12 APSF—see mixing instructions)

Tank A: Add 10 gallons (37.8 L) of water, add one bag (granules) or one liquid drum of PR10 ACLM to solution, add 0.5 gallons (1.9 L) of PR11 TEA and fill with water up to 30 gallons. Tank B: Add 10 gallons (37.8 L) of water, add 5 lbs. (2.27 kg) of **PR12 APSF**, then bring to 30 gallons with water. Makes a 60 gallon (227 L) batch. All wetted parts must be stainless steel or plastic.

Shipping

- Shipping Class 65
- Hazard Classification 5.1
- Motor freight and air freight available

Modified 9/26/2019