

# SBMP1-OH-UPS

**Strong base type 1 anion resin, styrene/DVB macroporous, uniform particle size, hydroxide form**

ResinTech SBMP1-OH-UPS is a hydroxide form type 1 macroporous strong base anion uniform particle size resin. SBMP1-OH-UPS is intended for high flow rate and high-temperature polishing applications, and for other applications that require the highest possible physical strength and chemical durability.



## FEATURES & BENEFITS

- Macroporous structure
- Organic fouling resistance
- Superior physical stability
- Complies with US FDA regulations

## APPLICATIONS

- High Purity DI Water
- Condensate Polishing
- Ultrapure Water Production (UPW)
- Demineralization / DI
- Mixed Bed Components
- Silica Removal

Polymer Matrix	Styrene/DVB	Minimum Sphericity (%)	95
Polymer Type	Macroporous	Reversible Swelling	18 to 25% (Cl → OH)
Ionic Form (as shipped)	Hydroxide (OH <sup>-</sup> )	Uniformity	UPS
Functional Group	Trimethylamine	Uniformity Coefficient	1.25
Physical Form	Spherical Beads	Capacity (meq/mL)	0.90
Particle Size US Mesh (µm)	16 (1190) to 50 (297)	Moisture Retention (%)	64 to 73
< 50 mesh (300 µm) %	<1	Color	Tan to Brown

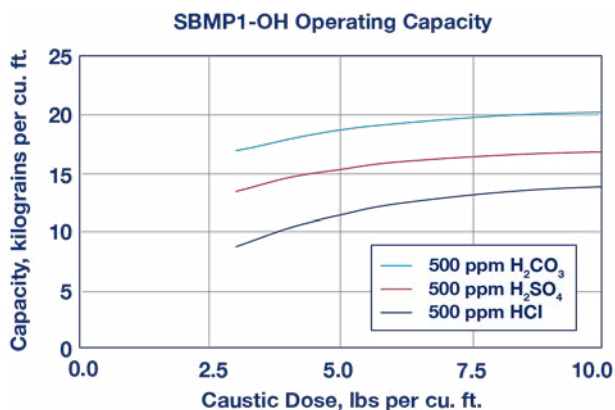
SBMP1-OH-UPS

**SUGGESTED OPERATING CONDITIONS**

Maximum Temperature	140°F (60°C)	Flow Rate	
Maximum Pressure Loss	20 psi (138 kPa)	Working Service	2-15 gpm/cu.ft. (16-120 BV/h)
Backwash Expansion (%)	25 - 50		

**DEMINERALIZATION**

ResinTech **SBMP1-OH-UPS** can be used as the anion component in a variety of demineralization applications where a hydroxide form anion resin is coupled with a hydrogen form cation resin and the highest possible durability is desired. **SBMP1-OH-UPS** is ideal for high flow rate polishers and where high resistance to mechanical, thermal, and oxidative stresses is required.



Capacity based on 500 ppm of stated acid (as CaCO<sub>3</sub>).  
 Capacity based on 36 inch bed depth, flow rate of 2 to 4 gpm per cu. ft. and greater than 40 minute caustic regenerant injection time. No engineering downgrade has been applied.

**REGENERATION DETAILS**

Hydroxide Cycle (NaOH)	2 to 6%	Displacement Volume	10-15 gals/cu.ft. (1-2 BV)
Displacement Flow Rate	Same as dilution water		



**PACKAGING****Standard**

42 cu.ft. Supersack | 7 cu.ft. Drum  
1 cu.ft. Bag | 5 cu.ft. Drum

**Metric**

25L Bag | 140L Drum

Minimum Order Volume: 210 (cu.ft.)

**SAFETY DATA SHEETS (SDS)**

Safety Data Sheets (SDS) are available for all products on the ResinTech website. They contain important health and safety information that may be needed to protect your employees and customers from any known health and safety hazards associated with our products. We recommend that you secure and study the pertinent MSDS for our products and any other products being used.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith. However we do not make any guarantee or warranty. We caution against using these products in an unsafe manner or in violation of any patents; further we assume no liability for the consequences of any such actions.

Safety Data Sheets (SDS) are available at [resintech.com](https://www.resintech.com)

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