

# SBACR-OH

## Type 1 Strong Base Anion Resin, Acrylic Gel, Hydroxide Form

ResinTech SBACR-OH is a type 1 acrylic gel strong base anion resin in the hydroxide form. Acrylic hydroxide form anion resins have better resistance to organic fouling than any other strong base resin but are thermally sensitive and have reduced life when operating in high temperatures. SBACR-OH is intended for industrial demineralization applications where organic fouling resistance is important and where operating temperatures do not exceed 75 F.



### FEATURES & BENEFITS

- Resistant to organic fouling
- Excellent regeneration
- Efficiency superior
- Physical stability controlled
- Particle size
- Complies with us fda regulations

### APPLICATIONS

- Demineralization / DI

REACH Registered

Conforms to §21CFR173.25 of the USFDA Food Additives Regulations

SBACR-OH

Polymer Matrix	Acrylic/DVB	Minimum Sphericity (%)	93
Polymer Type	Gel	Reversible Swelling	10 to 15% (Cl → OH)
Ionic Form (as shipped)	Hydroxide (OH <sup>-</sup> )	Uniformity	Gaussian
Functional Group	Trimethylamine	Uniformity Coefficient	1.70
Physical Form	Spherical Beads	Capacity (meq/mL)	1.00
Particle Size US Mesh (µm)	16 (1190) to 50 (297)	Moisture Retention (%)	NA**
< 50 mesh (300 µm) %	< 1	Shipping Weight	42 - 44 lbs/cu.ft. (673 - 705 g/L)
		Color	Yellow to Orange

**SUGGESTED OPERATING CONDITIONS**

Maximum Temperature	95°F (35°C)	Flow Rate	
Maximum Pressure Loss	20 psi (138 kPa)	Working Service	1-4 gpm/cu.ft. (8-32 BV/h)
Backwash Expansion (%)	25 - 50		

**DEMINERALIZATION**

ResinTech **SBACR-OH** 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. **SBACR-OH** is especially well suited for demineralization of organic laden waters. **SBACR-OH** is not suitable for high operating temperatures or for high flow rates encountered in polishing condensate.

**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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Last Update: 10-Apr-26

