SBG1-OH-UPS

Strong base type 1 anion resin, styrene/DVB gel, uniform particle sized, hydroxide form

ResinTech SBG1-OH-UPS is a uniform particle sized, high solids type 1 gel strong base anion resin in the hydroxide form. It has high crosslinkage and higher ion exchange capacity than other strong base anion resins resulting in especially high selectivity for various anions. SBG1-OH-UPS is intended for use in industrial applications where a hydroxide form anion resin is required, for mixed beds, high operating temperatures, and low TDS polishing such as RO permeate.

FEATURES & BENEFITS

- High total capacity for long run lengths
- Superior physical stability
- Uniform particle size
- Low pressure drop
- Better kinetics
- Complies with us fda regulations

REACH Registered

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

CORPORATE HEADQUARTERS 1801 Federal Street Camden, NJ 08105 USA PHONE 856.768.9600 EMAIL info@resintech.com WEB resintech.com

SBG1-OH-UPS

Polymer Matrix	Styrene/DVB
Polymer Type	Gel
Ionic Form (as shipped)	Hydroxide (OH^-)
Functional Group	Trimethylamine
Physical Form	Spherical Beads
Particle Size US Mesh (µm)	20 (841) to 40 (400)
< 50 mesh (300 µm) %	< 0.5%
Minimum Sphericity (%)	95
Reversible Swelling	18 to 25% (Cl → OH)
Uniformity	UPS
Uniformity Coefficient	1.25
Capacity (meq/mL)	1.10
Moisture Retention (%)	52 to 60
Shipping Weight	41 - 43 lbs/cu.ft. (657 - 689 g/L)
Color	Yellow to Orange

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	140°F (60°C)
Maximum Pressure Loss	20 psi (138 kPa)
Backwash Expansion (%)	25 - 50
Flow Rate	
Working Service	Depends on fluid viscosity. Contact ResinTech

DEMINERALIZATION

ResinTech **SBG1-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. **SBG1-OH-UPS** is suitable for high operating temperatures and for high flow rates encountered in polishing condensate and other low TDS waters such as RO permeate. **SBG1-OH-UPS** provides low TOC and low silica leakage in ultrapure demineralizers.

REGENERATION DETAILS

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

PACKAGING

Standard

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

Metric

25L Bag | 140L Drum

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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

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