# CG8-H-SNO

Grade: Standard

## Strong acid cation resin, styrene/DVB 8% crosslinked gel, hydrogen form (snopure spec)

ResinTech CG8-H-SNO is a amber-colored hydrogen form 8% crosslinked gel strong acid cation resin. It is a workhorse cation resin with properties similar to other products in the CG8 family. CG8-H-SNO is intended for use in all industrial applications such as demineralization where a hydrogen form cation resin is required and for mixed beds where its dark color makes visual identification of the cation/anion interface plainly evident.

### FEATURES & BENEFITS

- Hydrogen form
- Industrial softening and demineralizing applications
- Low color throw
- Superior physical stability
- Complies with US FDA regulations

### APPLICATIONS

- Ammonia Removal
- Iron Removal
- Softening

### PHYSICAL PROPERTIES

| | |
|---|---|
| Polymer Matrix | Styrene/DVB |
| Polymer Type | Gel |
| Ionic Form (as shipped) | Hydrogen ($H^+$) |
| Functional Group | Sulfonic Acid |
| Physical Form | Spherical Beads |
| Uniformity Coefficient | 1.60 |
| Particle Size | 16-50 US mesh (297-1190µm) |
| < 50 mesh (300 µm) % | < 1% |
| Minimum Sphericity (%) | 93 |
| Reversible Swelling | 5 to 9% (Na → H) |
| Capacity (meq/mL) | 1.80 |
| Moisture Retention (%) | 47 to 56 |
| Shipping Weight | 49 - 51 lbs/cu.ft. (785 - 817 g/L) |
| Color | Amber to Brown |
| Regenerable | Regenerable |

### SUGGESTED OPERATING CONDITIONS

| | |
|---|---|
| Maximum Temperature | 265°F (129°C) |
| Minimum Bed Depth | 24 in. (61.0 cm) |
| Maximum Pressure Loss | 25 psi (172 kPa) |
| Backwash Expansion (%) | 25 to 50 |
| Operating pH Range | 0 to 14 |
| Flow Rate | |
| Working Service | 1-10 gpm/cu.ft. (8-80 BV/h) |

REACH COMPLIANCE



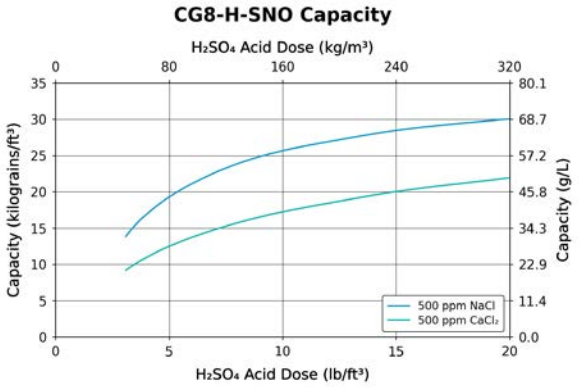
RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

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

## REGENERATION DETAILS

| | | | |
|---|---|---|---|
| Hydrogen Cycle (H2SO4) | 1 to 8% | Displacement Flow Rate | Same as dilution water |
| Hydrogen Cycle (HCl) | 5 to 10% | Displacement Volume | 10-15 gals/cu.ft. (1-2 BV) |
| Regenerant Level | 4-15 lbs/cu.ft. (64.1-240.3 g/L) | Rinse Flow Rate | Same as service flow |
| Regenerant Flow Rate | 0.5-1.5 gpm/cu.ft. (4-12 BV/h) | Rinse Volume | 35-60 gals/cu.ft. (5-8 BV) |
| Regenerant Contact Time | > 20 minutes | | |

## CAPACITY




Capacity and leakage data are based on the following: 2:1 Ca:Mg ratio, 500 ppm TDS as CaCO3, 0.2% hardness in the salt and 10% brine concentration applied co-currently through the resin over 30 minutes. No engineering downgrade has been applied.

## CERTIFICATIONS

REACH Registered

## PACKAGING

### *Standard*

42 cu.ft. Supersack | 7 cu.ft. Drum
200L Drum | 1000L Supersack

### *Metric*

1 cu.ft. Bag | 5 cu.ft. Drum
25L Bag | 140L Drum

### *Shipping Weight*

49 - 51 lbs/cu.ft. (785 - 817 g/L)



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## MATERIAL SAFETY DATA SHEETS (MSDS)

Material Safety Data Sheets (MSDS) 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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