MBD-4000

ResinTech MBD-4000 is a low TOC, 1:1 stoichiometric mixture of CN8-F-H (hydrogen form cation resin) and SBG1P-OH-UPS (hydroxide form type 1 strong base anion resin). The mixture ratio is specifically designed to be 1:1 on an equivalent capacity basis and to be non-separating. MBD-4000 is intended for use in polishing mixed bed deionization applications that require high resistivity, high throughput capacity and ultra-low TOC.

FEATURES & BENEFITS

- Non-Separating Mixed Bed
- Ideal for UPW polishing applications
- Utra Low TOC
- Highest operating capacity

COMPONENT 1

Media & Volumetric %	64% SBG1P-OH-LTOC
Media Category	Strong Base Anion
Polymer Type	Gel
Polymer Matrix	Styrene/DVB
Functional Group	Trimethylamine
Ionic Form	Hydroxide (OH^-)
Physical Form	Spherical Beads
Capacity	1.00
Moisture Retention (%)	NA**
Media Color	White To Amber

COMPONENT 2

Media & Volumetric %	36% CN8-H-F
Media Category	Strong Acid Cation
Polymer Type	Gel
Polymer Matrix	Styrene/DVB
Functional Group	Sulfonic Acid
Ionic Form	Hydrogen (H^+)
Physical Form	Spherical Beads
Capacity	2.00
Moisture Retention (%)	42 to 52
Media Color	Black

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	180°F (82°C)
Minimum Bed Depth	24 in. (61.0 cm)
Maximum Pressure Loss	25 psi (172 kPa)
Operating pH Range	2.0 to 12.0
Flow Rate	
Working Service	1-5 gpm/cu.ft. (8-40 BV/h)
Polishing	3-10 gpm/cu.ft. (24-80 BV/h)

PHYSICAL PROPERTIES

Shipping Weight	42 - 44 lbs/cu.ft. (673 - 705 g/L)

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

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CERTIFICATIONS

REACH Registered

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

PACKAGING

Standard

7 cu.ft. Drum

200L Drum

Metric

Shipping Weight

42 - 44 lbs/cu.ft. (673 - 705 g/L)

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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