

SEPLITE® Monojet™ LSC7100

Macroporous, weak acid, Na⁺ form, with iminodiacetate chelating active group

SEPLITE® Monojet™ LSC7100 Chelating Iminodiacetate Resin INFORMATION

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Macroporous weak acid Chelating iminodiacetate Resin

SEPLITE® Monojet™ LSC7100 Chelating Iminodiacetate Resin Descriptions:

SEPLITE® Monojet™ LSC7100 is a macroporous weak acidic cationic **chelating resin** with iminodiacetate chelating active group.

The iminodiacetic acid functional group is specially developed for **selective extraction of metals from waste water** or **brine of Chlor-alkali industry**. It also provides high selectivity for **copper recovery** from spent liquid or for cobalt and manganese from PTA spent crystallization liquor.

Thanks to its proprietary aminomethylation chemical route, Monojet™ LSC7100 guarantees extremely low leakage.

Its optimized polymer structure, excellent chemical and physical stability ensure its high performance during operation in both fixed bed column as well as Resin-In-Pulp processes.

SEPLITE® Monojet™ LSC7100 Chelating Iminodiacetate Resin Physical and Chemical Characteristics:

Matrix Structure	Polystyrene DVB, Macroporous
Functional group	Iminodiacetic
Shipping form	Na ⁺
Physical Appearance	Gray to light yellow spheres
Particle range (mm)	0.55-0.65 (≥95%)
Moisture Content (%)	55-65
Bulk Density (g/l)	700-800
Density (g/l)	1150-1250
Total capacity (eq/L)	≥2.5
Uniformity coefficient	≤1.1
Swelling –Volume change Na-H	≤25%

SEPLITE® Monojet™ LSC7100 Chelating Iminodiacetate Resin Applications:

- **Brine Purification in the Chlor alkali industry**
- Purification of waste stream containing trace metals
- **Recovery of copper** from waste water
- Recovery Cobalt and manganese from PTA spent CML

SEPLITE® Monojet™ LSC7100 Chelating Iminodiacetate Resin Precautions:

Resins should be stored in sealed containers or bags where temperature was above 0°C in dry conditions without exposure to direct sunlight. Do not mix ion exchange resin with strong oxidizing agents; otherwise it will cause violent reactions.

In case of eyes contact with resins, rinse eyes immediately with plenty of water, and consult a specialist. Material and samples must be disposed according to local regulations.

Dry polymers will expand when become wetted and may cause an exothermic reaction. Spilled materials may be slippery.

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- This information is general information and may differ from that based on actual conditions. For more information about SEPLITE® resins, please contact SUNRESIN® directly.