



## XZ-91419.00 Developmental Anion Resin

A Large Bead, Gold Selective Strong Base Anion Exchange Resin for the Recovery of Gold from Cyanidation Leach Solutions (manufactured under License from MINTEK)

Product	Type	Matrix	Functional group
XZ-91419.00	t-Butylamine	Styrene-DVB gel	Quaternary amine

### Guaranteed Sales Specifications

Total exchange capacity, min.	eq/l	0.23-0.33
Dry weight capacity	meq/g	0.8-1.2
Water content	%	45-55
Bead size distribution:		
Particle size range	μm	760-1,200
> 1,190 μm, max.	%	2
< 768 μm, max.	%	5

### Typical Physical and Chemical Properties

Particle density	g/ml	1.08
Shipping weight	g/l lbs/ft <sup>3</sup>	670 42

### Recommended Operating Conditions

- Maximum operating temperature:  
OH<sup>-</sup> form 60°C (140°F)  
Cl<sup>-</sup> form 100°C (212°F)
- pH range 0-14
- Bed depth, min. 800 mm (2.6 ft)
- Total rinse requirement 2-4 Bed volumes
- Regenerant:  
Type 15% Thiourea in 15% HCl

## Typical properties and applications

XZ 91419.00 is a large bead, developmental strong base anion resin that holds a t-butylamine functional group for the recovery of gold from cyanidation leach solutions.

## Packaging

5 cubic foot drums of 25 liter bags

### **DOWEX Ion Exchange Resins** For more information about DOWEX resins, call the Dow Liquid Separations business:

North America: 1-800-447-4369  
Latin America: (+55) 11-5188-9277  
Europe: (+32) 3-450-2240  
Japan: (+81) 3-5460-2100  
Australia: (+61) 3-9226-3545  
<http://www.dowex.com>

Warning: Oxidizing agents such as nitric acid attack organic ion exchange resins under certain conditions. This could lead to anything from slight resin degradation to a violent exothermic reaction (explosion). Before using strong oxidizing agents, consult sources knowledgeable in handling such materials.

Notice: For products that are "developmental", i.e. have an EB, XUS, XY or XZ number: (1) quality specifications may not be fully determined; (2) hazards may not be fully known, and additional caution in handling and use is required; and (3) Seller reserves the right to change specifications and/or discontinue its sale. Users are cautioned to confirm opinions, findings and data by their tests and to satisfy themselves as to the suitability of such products for the purposes intended prior to use.

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