

**Lewatit® K 6367** is a strongly basic, Type-I, gel-type, styrene-DVB-based resin in spherical bead form.

Its beads are monodisperse with exceptionally large uniform size, which results in optimal packing and very low pressure drop across the bed.

Reaction parameters can be maintained within even tighter tolerances, where this resin is used in continuous-flow processes.

**Lewatit® K 6367** is especially designed for the following applications:

- » Uranium extraction in hydrometallurgical processes
- » Uranium extraction in resin-in-pulp processes
- » Chemicals processing: extraction and recovery of anionic heavy metal complexes

The special properties of this product can only be fully utilized if the technology and process used correspond to the current state-of-the-art. Further advice in this matter can be obtained from Lanxess, Business Unit Ion Exchange Resins.



## General Description

|                       |                           |
|-----------------------|---------------------------|
| Ionic form as shipped | Cl <sup>-</sup>           |
| Functional group      | quaternary amine, type I  |
| Matrix                | crosslinked polystyrene   |
| Structure             | gel type beads            |
| Appearance            | light yellow, translucent |

## Physical and Chemical Properties

|                 |                   | <b>metric units</b> |          |
|-----------------|-------------------|---------------------|----------|
| Total capacity* |                   | min. eq/l           | 1.4      |
| Bead size*      | > 90 %            | mm                  | > 0.8    |
| Bulk density    | (+/- 5 %)         | g/l                 | 755      |
| Density         |                   | approx. g/ml        | 1.08     |
| Water retention |                   | wt. %               | 45 - 50  |
| Stability       | temperature range | °C                  | -20 - 60 |
| Storability     | of the product    | max. years          | 2        |
| Storability     | temperature range | °C                  | -20 - 40 |

\* Specification values subjected to continuous monitoring.

## Additional Information & Regulations

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### **Safety precautions**

Strong oxidants, e.g. nitric acid, can cause violent reactions if they come into contact with ion exchange resins.

### **Toxicity**

The safety data sheet must be observed. It contains additional data on product description, transport, storage, handling, safety and ecology.

### **Disposal**

In the European Community ion exchange resins have to be disposed, according to the European waste nomenclature which can be accessed on the internet-site of the European Union.

### **Storage**

It is recommended to store ion exchange resins at temperatures above the freezing point of water under roof in dry conditions without exposure to direct sunlight. If resin should become frozen, it should not be mechanically handled and left to thaw out gradually at ambient temperature. It must be completely thawed before handling or use. No attempt should be made to accelerate the thawing process.

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