

# Technical Service Bulletin 901

## Ion Exchange Resins Handling, Storage and Disposal

---

### 1. Handling

To prevent contact with the eyes and skin, appropriate Personal protective equipment (PPE) should be used/worn, and work should be done in a well-ventilated area. An eye-wash facility must be installed. Beware of slippery floor there is ion exchange resins spillage.

Avoid contact with hot substances, sparks etc. as the Resin may get damaged. Similarly contact or mixing with oxidizing agents or nitric acid shall be avoided.

### 2. Storage

Store in a dry place with good ventilation and avoiding avoid direct sunlight. The packaging container should be sealed to prevent contamination and drying of Resins. The resin drums or bags should not be stored along with oxidizing agents.

Storage at high temperatures can cause rapid degradation of ion exchange resins. Storage at 0°C or below may cause can frequent freezing and thawing resulting into cracked beads of the Ion Exchange resins, so caution should be taken in extreme cold weathers.

### 3. Disposal

Disposal of ion exchange resins shall be done by landfill or incineration in accordance with Local, State and Federal Statutory requirements. Incineration should be done using a suitable incinerator equipped complying with regulatory norms.

The use of this product in and of itself does not necessarily guarantee the removal of cysts and pathogens from water. Effective cyst and pathogen reduction is dependent on the complete system design and on the operation and maintenance of the system. No freedom from any patent owned NanoH<sub>2</sub>O Co., Ltd. or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time. Customer is responsible for determining whether products and the information in this document are appropriate for

Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. NanoH<sub>2</sub>O assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. All trademarks stated herein are properties of their respective companies. © NanoH<sub>2</sub>O Co., Ltd.