

PRODUCT BULLETIN #3241

Date: August 7, 2023

From: Michael Verguldi, Sr. Product Manager, Evoqua Water Technologies, LLC.

Subject: **Notification of Discontinuation of LiquiClean 103**

Effectivity: End of Sales: 31 October 2023
End of Shipment: 31 November 2023

LiquiClean 103 has been a standard Reverse Osmosis (RO) membrane cleaner for our customers for years. This low pH liquid cleaner is used to remove calcium carbonate and metal hydroxide-based scaling that can build up on membrane surfaces causing fouling to occur, preventing an element from operating properly. Low pH cleaning is a preventative maintenance activity that extends the life of the RO membrane while also improving or maintaining its overall performance.

As we discontinue offering the LiquiClean 103, we are introducing a new cleaner, LiquiClean 113, for use in RO membrane systems. LiquiClean 113 is a proprietary acid-based liquid solution that is recommended for removing the build-up of dissolved solids (i.e., scaling). The cleaner is applied at the same dilution, the required volume for cleaning is the same, and given the same dilution, a slightly lower pH will be achieved, providing additional efficacy. Testing has demonstrated excellent results and we are confident your transition will be seamless. This change will impact the following items:

Current Product	Replacement Product
W2T911924 (1228653) - CLEANER, LIQUICLEAN 103, 1-GAL, LOW PH	W2T934418 - CLEANER, LIQUICLEAN 113, 1-GAL, LOW PH
W2T911925 (1228654) - CLEANER, LIQUICLEAN 103, 5-GAL, LOW PH	W2T934419 - CLEANER, LIQUICLEAN 113, 5-GAL, LOW PH

Currently, we have an estimated 30-day supply of W2T911924, 1-gallon LiquidClean 103 product. This will be handled on a first-come first-serve basis. When this product has been sold-out, we will make W2T911924 unavailable and begin substituting the replacement product, W2T934418, in its place. Pricing for the new 1-gallon container will match the current product.

For W2T911925, the 5-gallon LiquiClean 103 product, we estimate we have a 3-month supply. When that offering has been sold-out, we will make W2T911925 obsolete and begin substituting the replacement product, W2T934419. Pricing for the new 5-gallon container will match the current product.

The Safety Data Sheet is available at www.mcpcr.com and the new LiquiClean 113 specification sheet is available upon request. We thank you for your understanding and value your business. For any other questions, please direct those to your local sales representative or to info@mcpcr.com.