

# V.CLEAN 401

## Industrial Cleaning Product



**V.CLEAN 401** is an industrial cleaning product, mixed according to Nitto Denko's oriented formula, used to clean reverse osmosis (RO) membranes. The product is highly active and effective, safe for all common types of membranes (polyamide, PP, PVC, PES, PAN...).

**V.CLEAN 401** main ingredients are citric acid, additives and surface active agents, ensuring the ability to clean most inorganic mineral scales, deposits such as carbonate, sulfate, metal oxide ...

**V.CLEAN 401** also effective in cleaning inorganic scale on Nano filter (NF), Ultra filter (UF), heat-exchanger, boiler ...



**NON-TOXIC  
BEST INORGANIC,  
SCALES & DEPOSITES  
REMOVAL**



### Specification

- Physical property: Transparent liquid
- Odor: Characteristic
- pH (as product):  $2.0 \pm 0.5$
- Specific Gravity (@25 °C):  $1.08 \pm 0.05$

### Application

**V.CLEAN 401** may be partially crystallized when stored at low temperatures, shake well before use.

When cleaning RO membrane: Dilute **V.CLEAN 401** with RO water (in CIP tank) at a ratio of about 1÷5 to 1÷10. Use CIP pump to circulate through RO membrane. Check pH continuously to remove dirt and add new cleaning agent. Contact **V.CLEAN 401** distributors for technical advice and necessary cleaning procedures.

When cleaning other membrane & equipment: Cleaning procedure depends on system characteristics and scale formation. Contact **V.CLEAN 401** distributors for technical advice, formula adjustment and necessary cleaning procedure.

### Safety

**V.CLEAN 401** is compatible with most plastic materials, inhibits corrosion of copper, iron, steel. Not compatible with aluminum, galvanized steel.

**V.CLEAN 401** is fairly safe, however gloves, masks and appropriate protective equipment should be worn when handling. Read the Safety Data Sheet (SDS) carefully before use.



### Packing & Handling

**V.CLEAN 401** is packed in 20 kg plastic cans. Shelf life is 24 months from date of manufacture. Store in a cool, dry place, away from high temperatures (> 40 °C), direct sunlight and alkaline environments.

