

TECHNICAL DATA SHEET

CHEMLINE M6

ISO 9001 : 2000

CONCENTRATE FOR ALKALINE CLEANING OF RO MEMBRANES

Description

chemline M6 is liquid concentrated product based on alkaline polyphosphates and polymers used for cleaning RO membranes.

APPLICATIONS

Even if reverse osmosis system is being operated properly, membranes can get fouled and partly lose their properties. Subsequently the capacity of the system and quality of the demineralised water are reduced. The reason of this can be biological substances, colloidal particles, undissolved organic compounds.

CHEMLINE M6 is alkaline concentrate specially designed for membranes cleaning from organic impurities induced by microorganisms, colloids, oils and bacteria.

CHEMLINE M6 cleans polyamides and acetate cellulose membranes pores and recover their high capacity.

advantages

- Suitable for all types of membranes,
- approved for use in potable water production
- stable and effective cleaner for most of organic impurities.
- provides long life time of reverse osmosis system
- reduces operating costs

Physical data

- Appearance.....Whitish liquid.
- Active materials.....polyphosphates, polymers
- Odor.....mild
- Density (at 20°C)..... $1.12 \pm 0.05 \text{ g/cm}^3$
- pH..... 12.5 ± 0.5
- Freeze Point..... $<-1^\circ\text{C}$
- Soluble in water.....complete

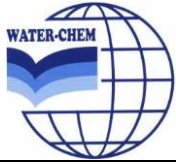
Dosage and feeding

Equipment capacity decreasing for 10% and pressure difference between system's input and output increasing for more than 15% indicates about necessity of system cleaning. **CHEMLINE M6** is concentrated product, which has to be diluted with water at ratio 1:20. Special tank (polypropylene, fiberglass), corrosion resistant circulating pump and valves are used for cleaning. Duration of cleaning solution circulating is from 20 minutes up to 2 hours. Temperature of cleaning solution has to be not higher than 40°C .

Product **CHEMLINE M5** (on the base of bisulphites) can be added in order to increase disinfection's properties of cleaning solution and for decreasing biological fouling. Dose is 1kg for every 60 litres of cleaning solution.

Safety

chemline M6 may be toxic by ingestion and because of its alkalinity property. Do not take internally. If ingested, drink at least two (02) glasses of water and get



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Packing and handling

medical attention. Do not induce vomiting. Contact with eyes cause severe irritation or burns. If eyes are contacted, immediately flush with clear water for 15 minutes and get medical attention. For skin contact, wash with soap and water.

chemline **M6** is packaged in 20 kg plastic drums. Other packing available by request.

Store under normal ambient conditions (5 ÷ 30°C, normal moisture), in well-ventilated places.

Shelf life is two years. Use within 4 weeks once opened.