

SupraChem 6402 – Antiscalant for Membrane Systems

Product Description

SupraChem 6402 is a highly effective scale inhibitor / antifoulant, especially designed for scaling-control and fouling-inhibition in reverse-osmosis systems. Proper use of this product will increase the lifetime of membrane-elements and decreases in this way the operation- and investment cost..

- Excellent control of scale inhibition of carbonate, sulfate and fluoride scales.
- Excellent hardness-stabilising effect against calcium sulfate, strontium sulfate, barium sulfate, silt, organics and hydroxides of iron and manganese
- Excellent calcium tolerance
- Effective over wide range of pH
- International potable water approvals
- Compatible with all of the leading RO membranes
- Compatible – Coagulants
- Certified under NSF/ANSI Standard 60 for drinking water production.

Typical Properties

The following are typical properties for SupraChem 6402 and should not be regarded as specification limits for the product. A product specification is available on request.

| | |
|-----------------------------|----------------------|
| Appearance | : pale yellow liquid |
| pH | : 10.0 ± 0.5 |
| Specific gravity at 20/20°C | : 1.30 ± 0.05 |
| Freezing point range | : 0 to -12 °C |

Chemical Reactivity

SupraChem 6402 is not affected by chlorine or other oxidising biocides under normal conditions of use without only Supracid 300.

SupraChem 6402 may be used in membrane systems using chlorine and sodium metabisulphite. And SupraChem 6402 is compatible biocides.

Application and Dose Level

SupraChem 6402 is an aqueous solution of an organic acid and as such is corrosive in its concentrated form. Corrosion resistant dosing equipment should therefore be used. Examples of suitable materials are 316L stainless steel, or plastics such as GRP, PVC and PE.

The recommended injection point is into the feed water downstream of any filtration equipment and cartridge filters.

SupraChem 6402 is miscible with water in all proportions. It may be applied as the neat product, or as a solution in permeate. Minimum dosing solution strength of 10% w/w is recommended and typical dose rates are 1.0 to 6.0 mg/l. SupraChem 6402 should be dosed continuously and proportionately to the feed water flow, to maintain the recommended dose level.

The dose level required is dependent on the quality of the feed water and the saturation indices of the various scale forming species present in the concentrated brine.

Proprietary computer software is used to calculate scaling indices and calculate optimum system recovery. Dose level projections and recommendations are available on request.

Handling

Avoid spilling, skin and eye contact. Observe good chemical hygiene practices.

Please read the label and Material Safety Data Sheet before handling this product.

Logistics

Classification Hazardous for transportation, class 8
Irritating to eyes for supply

Packaging 25 kg (net weight) Plastic drums
230 kg (net weight) Plastic drums
1000 kg (net weight) Intermediate bulk containers