

DISPERSE 735

ANTISCALANT

- **Effective with different water sources**
- **Reduces frequency of cleaning**
- **Sequestering action on iron and manganese**
- **Biodegradable**

DESCRIPTION AND USE

DISPERSE 735 is an anti-scaling agent based on an aqueous solution of organophosphate derivative, resistant to chlorine and hydrolysis. Product benefits includes high effectiveness with different water sources, inhibition of scale formation reducing the frequency of cleaning processes, elimination of acid addition, sequestering action on iron and manganese and increased stability compared to HMPS and most polymers.

DISPERSE 735 is completely biodegradable.

CHARACTERISTICS

Appearance:	Transparent liquid
Color:	Slightly yellowish
Density:	1.35 – 1.37 g/ml
pH:	10 – 11
Dry matter:	40% minimum
Active ingredient:	ATMP
Viscosity:	35 – 45 cps

APPLICATION

DISPERSE 735 is specially recommended as scale inhibitor for nanofiltration membranes (NF), reverse osmosis (RO) and in re-circulated and/or reversible electro dialysis (RED) brine. DISPERSE 735 is compatible with all types of membranes.

DISPERSE 735 can also be used as antiscalant for pipe systems.

Its dosage depends on the conversion rate of membrane plants, the temperature, physical and chemical characteristics of the water to be treated, and especially of those elements responsible of scaling and fouling.

As a general idea, DISPERSE 735 is used at a dose between 0.5 and 5 ppm (mg/l).

Norlex Technical Service can support on the evaluation of scale risk of sparingly soluble salts, the optimum conversion rate and the applicable dose of product under different conditions.

GENERAL INSTRUCTIONS

DISPERSE 735 is totally soluble in water. It can be added directly as it is or previously diluted in water using a metering pump to dose it into the water to be treated. In case of dilution, it is recommended to dilute to no more than 10 %, and precautions against microbial growth should be taken. Prepared dilutions should be used within 3 days of preparation.

DISPERSE 735 is compatible with stainless steel and most usual construction materials. It is recommended to add product into the feed water flow prior or after any cartridge filters and always before membrane units. DISPERSE 735 should be dosed inline and proportionally to the feeding volume with the objective to keep a constant concentration of the product in the filtration unit or pipe system.

When using to protect pipe systems from scaling, it is recommended to descale the system before use.

PACKAGING AND STORAGE

DISPERSE 735 can be supplied in Jerricans of 30 kg net or IBC of 1.300 kg net. On request, the product can also be supplied in 200 liter drums.

Store in cool and dry place (temperatures between 0 °C and 50 °C, protected from sunlight. Keep product in tightly closed original container.

Shelf life of 24 months from production date.

Not classified as dangerous goods for transport.

Contact Norlex Chemicals for details.

MATERIAL SAFETY DATA SHEET

It is recommended to handle the product taking the typical measures for this type of chemicals including protective clothing, overalls, gloves, goggles and face protection. Avoid contact with skin, eyes and mucous membranes. Use chemicals safely. Always read the label and product information before use.

A material Safety Data Sheet that contains detailed information and safety precautions about this product is available upon request.