



Nimir Specialty Chemicals FZE

INO-SPERSE MA

Polymeric dispersing agent specially developed for phosphate free detergents.

- INO-SPERSE MA reduces incrustation thus increases the performance of detergents.
- Improves the whiteness of the wash.
- Minimizes soil re-deposition.
- Particularly effective in detergents that contain Sodium Carbonate.

Phosphates are minerals that act as water softeners and are among the worst pollutants found in detergents. Because they are a nutrient and act as a fertilizer for algae, when it enters a water body it promotes the growth of plants, primarily algae. When there is an excess of nutrients, in this case the phosphates, algae blooms occur clouding the water, causing odors and creating hypoxic conditions. Even after treatment, some detergents end up as a pollution in water ways, therefore the discharge of detergent laden water into storm drains, either through directly dumping or indirectly allowing such water to flow into those drains, furthers the problem in trying to control phosphate releases. Their use is a continuous addition to the general contamination of our water suppliers.

INO-SPERSE MA is specifically engineered to boost the performance of Phosphate Free detergents

Properties of INO-SPERSE MA:

Nature:	Maleic acid-acrylic acid copolymer
Physical Form:	Pale yellow liquid.
Concentration:	40±1%
pH:	7.5±0.5
Average molar mass:	50,000
K value:	50
Dispersing Capacity:	400 mg CaCO ₃ /g polymer (@ 50° C, pH 11)

Application:

Application rate mainly depends on the local factors; composition of detergent, water hardness, temperature etc. As a general recommendation 1-3% of INO-SPERSE MA would be adequate to obtain the optimum results.

Safety:

Due attention should be given to the precautions for handling chemicals provided in our Material Safety Data Sheet.

Remarks:

The information submitted in this publication is given in good faith but without warranty, In view of the many factors that may affect the application, users are recommended to carry out their own trials to determine the suitability of the product for their practical requirements. We cannot accept responsibility for any damage or loss resulting from the use of this information.