



Omyasmart® One

Multifunctional Neutralizing Agent



THINKING OF TOMORROW



Omyasmart One

Mineral solutions for water-based products

Omyasmart brand of ingredients for water-based products are engineered for improved pH stabilization and long shelf life in water-based formulations.

Omyasmart One provides formulators a new zero VOC option for odorless pH control and potential reduction of other additives that can change pH over time. Omyasmart multifunctional neutralizing agent helps to stabilize pH under a wide variety of environmental conditions and temperatures, promoting long shelf life. Unlike other neutralizing agents in paints, adhesives or sealants for example, which can evaporate too soon, creating odor and potential application problems, Omyasmart One remains in for improved properties.

Benefits

- *pH stabilization*
- *Supports long shelf life*
- *No discoloration*
- *Zero emissions to the indoor air*
- *Odorless*



Omyasmart One is a proprietary mixture of mineral salts chosen to stabilize your formulation. Unlike other materials that can reduce pH over time, Omyasmart One remains stable.

Omyasmart One buffers pH better

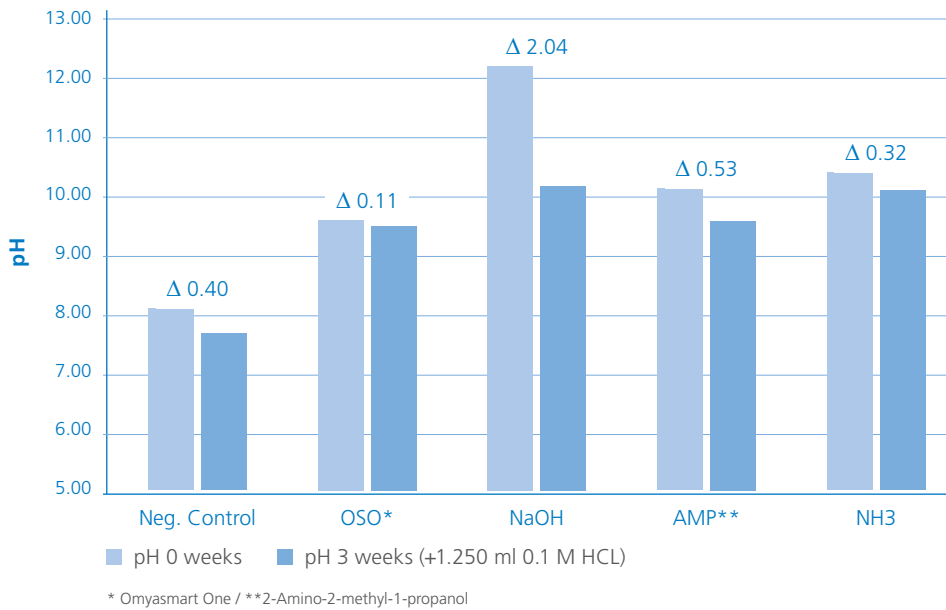


Figure 1: PH stability of Omyasmart One compared to other neutralizing agents in an Omycarb paint dispersion. Due to its special properties, Omyasmart One establishes high salt and keeps the optimal high PH stable for the long shelf life of the paints and coatings. Compared to conventional neutralizing agents, Omyasmart One has the best buffering effect.

Omyasmart One favorably combines both effects derived from pH and salt content. However, the pH increase is limited to avoid potential health risks for skin and eyes. The salt concentration is well controlled to avoid interference with crucial paint properties, e.g. wet scrub resistance.

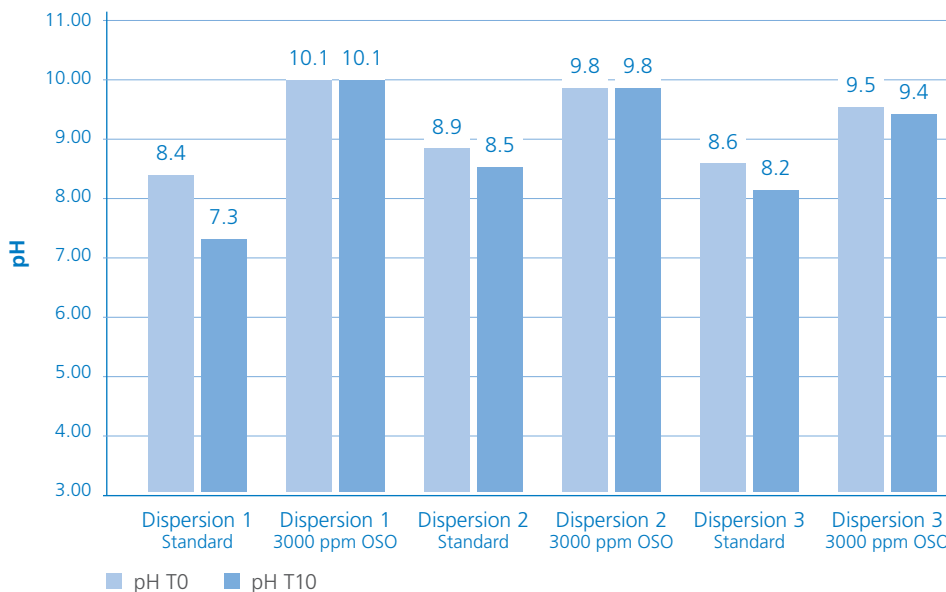


Figure 2: This picture shows the pH stability of Omyasmart One in different paint dispersions in contrast to the standard (without OSO) over 10 weeks. Paint Formulations with Omyasmart One show a high pH-stability. Independent of the paint dispersion, the paints comprising Omyasmart One show more stability in comparison to paint dispersions containing other neutralizing agents.



Omya identified the right mixture of salts to stabilize water-based products, e.g. paints.

Omyasmart One Customer Service

- *Application support of Omyasmart One*
- *Shelf life study*
- *ISO 9001 certified BSL2 and technical service labs*
- *Regulatory support*
- *Support in the formulation of sustainable products*

Omyasmart is a registered trademark of Omya AG in the European Union and multiple other countries.



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OMYA PIGMENTS**

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