

## Technical Data Sheet

Last revised: 01-2019

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### DELTA-S® 95 ( MORADD-95)

Multi-functional additive for water-based systems.

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#### Specifications:

Solubility in water	:	Complete
Specific gravity @ 20°C	:	ca. 1.08 g/cm <sup>3</sup>
Appearance	:	Clear white to amber liquid
pH of 1% (by weight)	:	12-14

Methods of analysis can be received upon request

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#### Applications and usage:

##### Coatings

**DELTA-S® 95** reduces the dose of dispersant, wetting agent, antifoam and coalescent agents and provides excellent wetting properties. It provides pH control and stability. It can substitute ammonia and thus reduces odor during production and in the final paint.

**DELTA-S® 95** enhances as well gloss compared to other known co-dispersants.

**DELTA-S® 95** can also exhibit the following properties:

- Reduction of in-can corrosion and flash rusting
- Improvement of color acceptance
- Improvement of thickener performance
- Improvement of scrub and water resistance

**DELTA-S® 95** is regarded as an effective co-dispersant preventing re-agglomeration of pigments.

Combining **DELTA-S® 95** with a conventional anionic dispersing agent such as **DELTA-SP 10052** prior to the grinding stage is more effective than using the dispersant alone. Alternatively, up to 25% of the dispersant can be reduced by adding small quantity of **DELTA-S® 95** and thus achieving a more cost effective formulation.

Better hiding power, color acceptance and stability will be achieved using **DELTA-S® 95**. With paints containing reactive pigments such as zinc oxide, **DELTA-S® 95** will help to stabilize the final formulation and provide non-gelling even when subjected to high temperature ageing.

In the grind, up to 25% of the existing dispersant solids can be replaced by a range of 0.05 to 0.1 % of **DELTA-S® 95** on the total weight of the formulation.

In the let-down, 0.1 to 0.3 % of **DELTA-S® 95** is added to achieve optimum stability and for associative thickener neutralization.

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#### Safety and Handling:

**DELTA-S® 95** should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.



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### **Storage:**

**DELTA-S® 95** should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 3 years from the date of manufacture. The production date is indicated on the container.

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### **Packaging:**

60 kg and 200 kg non-returnable containers.

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