

AROSURF® PA 842

Composition

AROSURF® PA 842 is a non-volatile, FDA-sanctioned specialty formulation which is added as a wet-end softener/debonder for tissue and towel manufacture. Through either spray or print methods, AROSURF® PA 842 can also be applied as a topical softener to tissue or towel surfaces.

Physical properties

Appearance at 20 °C	Clear liquid
Density at 20 °C	0.99 g/cc (8.29 lb/gal)
Flash point, PMCC, °C (°F)	> 100 (212)
Freeze-thaw stability (3 cycles)	Complete recovery
% VOC by EPA rule 24	≤ 0.2

Benefits

- Effective fiber debonding, fiber softening and bulk enhancement at low application dosages
- Formulated to balance absorbency with hydrophobic softness
- FDA: conforms to aqueous and fatty food contact under CFR 176.170
- Less than 0.2 % VOC's by EPA rule 24
- Highly substantive
- Low foaming
- Easy to handle liquid product that is cold water dispersible

Applications

AROSURF® PA 842 is designed to improve bulk and softness characteristics of tissue and towel products. Typical application dosage range from 1 to 4 kg/metric ton of dry fiber, but this is largely dependent on the preferred tissue or towel properties as well as the furnish composition and quality. Fibers and anionic residue may interfere with the adsorption and performance, so the dosage of AROSURF® PA 842 must be adjusted to match the specific furnish.

Thorough mixing and agitation of the AROSURF® PA 842 softener/debonder with the furnish in the wet-end ensures uniform contact and performance. It can be added at several points in the wet-end: head box, fan pump, stuff box or machine chest. Even though exhaustion ARO-SURF® PA 842 is rapid and complete, it should be added where contact time is maximized.

AROSURF® PA 842 can be introduced to the stock as a low solids dispersion or through continuous in-line mixing of the concentrate which is pumped by gear or piston pumps from totes or bulk storage.

AROSURF® PA 842 softener/debonder should be introduced after the wet-strength resin has exhausted onto the furnish in order to enhance the performance of both additives.

Storage and Handling

Avoid freezing AROSURF® PA 842. If product is frozen, place in a warm room and allow to slowly return to room temperature. AROSURF® PA 842 should be stored at temperatures between 15 and 30 °C (60 – 90 °F) and should be processed within 4 – 6 months.

Packaging

Drums
Totes
Bulk

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport of chemicals
- protective measures for storage and handling
- measures in case of accidents and fires
- toxicity and ecological effects

is given in our material safety data sheets.

07/2015

Trademark notice and legal notice

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(Status: July 2015)

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