

Product Specification

AROSURF® PA 842 V

Composition

Cationic proprietary blend based on vegetable and synthetic raw materials.

Physical properties

Appearance at 20 °C	Clear to slightly hazy liquid
Colour (Gardner)	Max. 9
Water content	Max. 1 %
pH value (10 % in isopropanol/ water 1 : 1)	5.5 - 7.5

Application fields

Wet end softener/debonder for tissues and towelling.

Benefits

AROSURF® PA 842 V is an efficient wet end softener/debonder for virgin fibre used in the manufacturing of tissue and towelling.

AROSURF® PA 842 V is a cationic, strongly substantive formulated liquid concentrate. It does not contain flammable solvents or solvents which might generate VOC's.

AROSURF® PA 842 V is compatible with non-ionic, amphoteric and cationic paper chemicals. It is not compatible with anionic chemicals.

AROSURF® PA 842 V is under conditions normally encountered in practice stable to acids, alkalis, electrolytes and water hardness.

AROSURF® PA 842 V is stable to hydrolysis and has good high temperature stability.

AROSURF® PA 842 V is readily dispersible in water at room temperature.

Dosage/Handling

AROSURF® PA 842 V can be added at several points in the wet end: head box, fan pump, stuff box or machine chest.

Add AROSURF® PA 842 V at the point in the wet end which maximises the contact time with fibres, thus allowing maximum exhaustion on the fibre.

Adding AROSURF® PA 842 V at the fan pump results in the best agitation.

Never add AROSURF® PA 844 V at the same point and time with the wet strength resin.

Typical application dosages are 0.5 to 4.0 kg/t of dry fibre.

AROSURF® PA 842 V should be added as a dispersion with 1 - 6 % solids.

For continuous in-line mixing: AROSURF® PA 842 V can be pumped from containers with gear or piston pumps through stainless steel lines to be introduced into the water stream. An in-line static mixer should be used.

Making batch dispersions of AROSURF® PA 842 V is also possible. Never add water to AROSURF® PA 842 V. This will result in a gel which is very difficult to dissolve or disperse. The proper way to prepare a batch dispersion of AROSURF® PA 842 V is to add the product (temperature at least 15 °C) very slowly into the mixing dilution water (temperature at least 20 °C or warmer).

Continue agitation until an opaque, white and homogenous dispersion is obtained and cool down while stirring continuously to room temperature.

Registration status

The components of AROSURF® PA 842 V are listed on the following inventories:

EINECS, TSCA, DSL, ENCS, ECL, AICS and China

Food Contact Compliance

FDA § 176.170

Components of paper and paperboard in contact with aqueous and fatty foods blend – all components sanctioned.

FDA § 176.180

Components of paper and paperboard in contact with dry food blend – all components sanctioned.

BfR XXXVI (formerly BGVV XXXVI)

Paper and board for food contact blend – all components sanctioned.

Storage stability

We recommend the following storage conditions:

	Storage temperature	Processing time
Drum/container	20 – 40 °C	12 months

In case of prolonged storage at low temperatures (predominantly at temperatures below 15 °C) AROSURF® PA 842 V may lead to turbidity and form a precipitate. Moderate heat (approx. 30 to 40 °C) and adequate stirring will return the product to its original state without loss of quality.

Packaging

180 kg open top steel drums
Pallet size: 4 x 180 kg = 720 kg
1 000 kg plastic containers

Hazardous goods classification

Information concerning

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

is given in our material safety data sheets.

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