

Technical Information

AROSURF® PA 852

Composition

AROSURF® PA 852 is a non-volatile proprietary blend of non-ionic and cationic softeners used for tissue and towel manufacture.

Physical properties

Appearance at 20 °C	yellow liquid
Viscosity at 23 °C, mPas	80
pH	5.5 – 8
Specific gravity, g/cm ³	0.94
Flash point, °C, PMCC	> 100

Application fields

AROSURF® PA 852 softener is applied to tissue or towel surfaces by spray onto the wet web.

AROSURF® PA 852 is suitable for application onto virgin, low strength and recycled fibers.

Benefits

- AROSURF® PA 852 imparts a soft hand feel (surface softness) when spray applied to the wire-supported sheet.
- AROSURF® PA 852 has limited effect on tensile strength and imparts minimal bulk softness.
- Tissue made using AROSURF® PA 852 leaves a pleasant after-feel on the skin.
- Absorption properties of treated tissue are minimal reduced.
- AROSURF® PA 852 is liquid at room temperature and is easily dispersed in warm water.
- Aqueous dispersions of AROSURF® PA 852 have a low viscosity and are easily applied by spray.

FDA Status

Components of AROSURF® PA 852 conform to either:

- 21 CFR § 176.170 – Components of paper and paperboard in contact with aqueous and fatty foods and dry food, respectively or
- 21 CFR § 176.210 – Defoaming agents used in the manufacture of paper and paperboard.

Dosage and Handling

AROSURF® PA 852 is used as an overspray softener for tissue at the felt, on the Yankee or after formation. The pick-up varies, according to the desired surface modification, from 0.5 – 5.0 kg/ton product as is on tissue weight.

Stability of 5–10% dispersions in water is limited to approximately 1 hour without agitation, so continuous mixing is recommended. Dispersion via an in-line mixer immediately before the spray bar application is a recommended alternative.

Registration Status

AROSURF® PA 852 is listed on the following inventories:

TSCA, EINECS, Canada (NDSL), Australia (AICS), China (IECSC), New Zealand, Taiwan (ECS)

Storage stability

AROSURF® PA 852 should be stored between 10 to 40 °C. AROSURF® PA 852 can be stored in the original sealed containers at room temperature for 12 months.

Packaging

AROSURF® PA 852 is available in 180 kg drums, 1,000 kg totes and bulk 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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