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VANDERBILT

Technical Data

DARVAN[®] 821-A **Ammonium Dispersing Agent** **for Ceramic Bodies**

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TECHNICAL DATA

Ceramic Department

DARVAN[®] 821-A

Ammonium Dispersing Agent
for Ceramic Bodies

DARVAN 821-A is an ammonium polyacrylate. In appearance it is a pale yellow liquid.

PHYSICAL PROPERTIES

Molecular Weight:	3500
Total Active Solids:	40%
Percent Ash (typical):	0.01%
Density at 25°C:	1.25 Mg/m ³
Weight Per Gallon:	9.8 lb.
pH at 25°C:	7.0
Viscosity at 25°C:	50 kPa·s (50 cps)
Solubility:	Very soluble in water systems.
Stability:	Stable in the presence of acids and alkalis over a wide pH range.
Storage:	Product should be stored above 10°C (50°F). Partial freezing does not affect the product's dispersing properties.

APPLICATIONS

DARVAN 821-A is primarily recommended for use in the electronic and specialty ceramic fields where a low soda content is required.

DARVAN 821-A has excellent rheological properties. It provides a long casting range and prolongs the life of plaster molds.

DARVAN 821-A can be used in high shear systems without losing its effectiveness, and is used successfully in spray-dried systems.

DARVAN is a registered trademark of R.T. Vanderbilt Company, Inc.

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