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# VANDERBILT

## Minerals Technical Data

### DARVAN<sup>®</sup> C-N Dispersing Agent

Ammonium Polymethacrylate  
for Ceramic Bodies

**DARVAN C-N**, an ammonium polymethacrylate solution, is used mainly in the electronic and specialty ceramics fields. It has little tendency to foam and produces slurries with unusually low viscosity.

#### PHYSICAL PROPERTIES

Molecular Weight:	10,000 to 16,000
Appearance:	Clear to light amber liquid
Density at 25°C:	1.11 ± 0.02 Mg/m <sup>3</sup>
Weight per gallon:	9.2 to 9.2 lb
Percent solids:	25.0 ± 1.0%
Percent ash:	0.04% maximum – on wet weight
pH:	7.5 to 9.0
Viscosity at 25°C:	75 cps (maximum)
Solubility:	Completely soluble in water systems.
Stability:	Stable in the presence of alkalis over a wide pH range.
Burn out:	<b>DARVAN<sup>®</sup> C-N</b> Dispersing Agent <i>begins</i> to burn out at 450°F (232°C)
Storage:	Freezes at -5°C. Protect from freezing. Partial freezing does not affect the product's dispersing properties. Keep container tightly closed to prevent evaporation.

#### APPLICATIONS

**DARVAN C-N** is recommended for use in the preparation of casting slips from high oxide electronic bodies where minimum sodium content is desired. **DARVAN C-N** is also used to make slurries of ferrites.

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