

Variquat® CC 42 NS

Composition

VARIQUAT® CC 42 NS is a polypropoxy quaternary ammonium chloride. CAS #68132-96-7.

Typical Properties

Appearance	Light amber liquid
Quaternary %	60 – 80
Color, Gardner	6
Viscosity @ 20 °C	4000 mPas
Viscosity @ 50 °C	650 mPas
Moisture % Max.	1
Glycols %	20 – 40
Flash Point (PMCC)	>200
Density lb/gallon	8.43
Specific gravity @25 °C	1.01
pH value (10% in IPA/water)	6 – 11
Total basic capacity meq/gr	.38 – .42
VOC lb/gal	Not detected

Registration status

VARIQUAT® CC 42 NC is listed on the following inventories:

- TSCA
- Australia (AICS)
- China
- Korea (ECL)
- Philippines (PICCS)
- EINECS
- Canada (DSL)
- ENCS

Application field

This liquid cationic exhibits functionality in both oil and water.

- Textile
- Ink jet printing
- Emulsion polymerization
- High speed copier antistat
- Rheological additive for ceramic slurries
- Emulsifier
- Dispersant for organic and metallic pigments in non-aqueous systems

In some cases, VARIQUAT® CC 42 NS is compatible with anionic surfactants resulting in soluble complexes.

Frequently used as a dispersant for inorganic oxides in non-aqueous media, such as iron oxide in magnetic recording media, ferro fluids, or heat transfer pastes.

Benefits

- Non foaming
- Provides excellent lubricity
- Highly effective antistat
- Liquid cationic that exhibits functionality in both water and oil
- Compatible with anionic surfactants without salting out
- Stable to hydrolysis
- Outstanding tolerance vs calcium ions

Storage and handling

For storage and handling information, please refer to our material safety data sheet.

VARIQUAT® CC 42 NS, as delivered, can be stored in closed containers for 12 months.

VARIQUAT® CC 42 NS is not sensitive to freezing. Prolonged storage at temperatures above 40° C or overheating should be avoided.

VARIQUAT® CC 42 NS does not contain any flammable solvents.

Packaging

VARIQUAT® CC 42 NS is available in 200 kg drums, 1000 kg totes, and bulk quantities.

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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