



# TECHNICAL DATA SHEET

## Flexisil 14-40 NH4

### Technical Overview

Flexisil 14-40 NH4 is an ammonia-stabilized, aqueous nanoparticle dispersion of amorphous colloidal silica. The silica particles are discrete and have a slightly rough, spherical shape. This sol is additionally processed to be a very low sodium product.

### Applications

- Inorganic Binder
- Catalyst
- Coatings
- Industrial
- Precision investment casting (PIC)
- Vacuum-formed refractory shapes

### Typical Properties

PROPERTY	VALUE
Appearance	Hazy to white liquid, aqueous colloidal dispersion
Wt. % Silica	38.5 - 41.5
Surface Area (m <sup>2</sup> /g)	135 - 220
pH (@20°C)	9.0 - 10.5
Sodium (ppm)	< 800 ppm
NH <sub>3</sub> , %	0.25 Maximum
Storage	Perishable if frozen
Shelf Life	12 months from date of manufacture

### Packaging and Handling

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product. Keep container tightly sealed.

Store above 5°C (41°F) and below 35°C (95°F).

Available in Bulk and IBC.

DOT Classification: Not regulated.

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