



# TECHNICAL DATA SHEET

## Flexisil 50-50

### Technical Overview

Flexisil 50-50 is an alkaline, aqueous nanoparticle dispersion of amorphous colloidal silica. This dispersion is sodium stabilized and the silica particles have a negative surface charge. The silica particles are discrete and have a slightly rough, spherical shape. This sol is considered to be a "large particle" product.

### Applications

- Inorganic Binder
- Anti-skid/Anti-slip
- Frictionizing
- Surface Coatings
- Precision polishing

### Typical Properties

PROPERTY	VALUE
Appearance	White liquid, aqueous colloidal dispersion
Wt. % SiO <sub>2</sub>	48.5 - 51.5
Surface Area (m <sup>2</sup> /g)	50 - 100
pH (@20°C)	8.0 - 10.5
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.

This information relates only to the specific material referred to herein and not to its use in combination with any other material or in any process, unless explicitly stated herein. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled; however, no warranty, guarantee or other representation is made as to its accuracy, reliability, or completeness, or regarding any liabilities arising from others' intellectual property rights. ID# 20240223. revision 1