

## Product Data Sheet

# Levasil FX2040 N

Levasil FX2040 N is an alkaline, aqueous dispersion of colloidal silica that is approximately 40% solids by weight. The silica dispersion is ammonia stabilized and the amorphous silica particles carry a negative surface charge. The SiO<sub>2</sub> particles are discrete, have a slightly rough, spherical shape, and are present in a narrow particle size distribution. The physical appearance of the dispersion is a translucent liquid, slightly more viscous than water with the recognizable smell of ammonia. Levasil FX2040 N is produced primarily for the North American market.

### Typical Properties

Silica, wt%:	40
Specific surface area, m <sup>2</sup> /g:	200
pH:	9.5
Viscosity, cP:	17
Density, g/cm <sup>3</sup> :	1.3
NH <sub>3</sub> , wt%:	0.2

### Range of Applications

Levasil FX2040 N is an excellent binder for very high concentrated slurries of inorganic materials as refractories.

### Storage, Handling, & Transport

Levasil FX2040 N should be transported and stored at a temperature of 5-35°C (40-95°F). If the silica dispersion is allowed to freeze, the silica will irreversibly precipitate. For bulk storage, the tank should be sealed and constructed of plastic, fiberglass reinforced plastic, or stainless steel. For packaged goods, any translucent packages should be stored out of direct sunlight or bright light. Under recommended conditions, Levasil FX2040 N has a shelf life of at least twelve months after production.

Levasil FX2040 N is available in bulk and packaged quantities. Bulk shipping and packaging sizes can vary by region.

Before handling this material, review the corresponding Material Safety Data Sheet.

### Contact Information

For more product information or enquiries, please visit our website:

[www.akzonobel.com/colloidalsilica](http://www.akzonobel.com/colloidalsilica)

Or write an email to:

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