# Levasil CT13 PNM

Colloidal silica

Levasil® CT13 PNM 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 silica particles are discrete, have a smooth, spherical shape, and are present in a narrow particle size distribution. The physical appearance of the dispersion is an opalescent liquid, slightly more viscous than water with the recognizable smell of ammonia. Levasil® CT13 PNM is produced for world-wide distribution.

**CAS number**
7631-86-9

## Characteristics

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|---|---|
| Silica | 40 wt% |
| Density | 1.3 g/cm$^3$ |
| Specific surface area | 130 m$^2$/g |
| pH | 9.2 |
| Viscosity | 8 cP |
| $NH_3$ | 0.13 wt% |

## Applications

Levasil® CT13 PNM is an optimised product with a proven performance within the coating and surface treatment area.

## Storage

Levasil® CT13 PNM should be transported and stored at a temperature of 5-35°C (40-95ºF). If the silica dispersion is allowed to freeze, the silica will irreversably 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® CT13 PNM has a shelf life of at least twelve months after production.

## Packaging and transport

Levasil® CT13 PNM is available in bulk and packaged quantities. Bulk shipping and packaging sizes can vary by region.

## Safety and handling

Before handling this material, review the corresponding Material Safety Data Sheet. Colloidal silica products are aqueous dispersions of amorphous silica. Colloidal silica is not classified as harmful, but as mildly irritating. Because the products can have a drying effect on the skin, protective gloves should always be used. In case of skin contact, wash the area of contact with plenty of water. The use of safety glasses is always recommended. In case of eye contact, rinse with large amounts of water and seek professional medical advice.

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

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