

Levasil CC301

Colloidal silica

Levasil® CC301 is a neutral, aqueous dispersion of colloidal silica that is approximately 28% solids by weight. The silica dispersion is sterically 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 particles have also been surface modified with an epoxy silane. "Hydroxyl number" for 2-pack systems; 0.45 mole OH/kg product. The physical appearance of the dispersion is a clear liquid, slightly more viscous than water. Levasil® CC301 is produced for world-wide distribution.

CAS number
1239225-81-0

Characteristics

Silica	28 wt%
Density	1.2 g/cm ³
Average Particle Size	7 nm
pH	8
Viscosity	5 cP
Ethanol	2.5 wt%

Applications

Levasil® CC301 is an optimised product with a proven performance within the coating and surface treatment area.

Storage

Levasil® CC301 should be transported and stored at a temperature of 0-40°C (32-104°F). For packaged goods, any translucent packages should be stored out of direct sunlight or bright light. Under recommended conditions, Levasil® CC301 has a shelf life of at least eighteen months after production.

Packaging and transport

Levasil® CC301 has European availability in bulk and world-wide availability for packaged quantities.

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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