Levasil CB301

Colloidal silica

Levasil® CB301 is a neutral, aqueous dispersion of colloidal silica that is approximately 30% 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. The physical appearance of the dispersion is a clear liquid, slightly more viscous than water. Levasil® CB301 is produced for world-wide distribution.

CAS number
1239225-81-0

Specification

Density at 20°C	1.172 - 1.205 g/cm^3
SiO_2	26.0 - 30.0 wt%
pH at 20°C	5.0 - 9.0
Viscosity at 20°C	≤8 cP

Characteristics

Ethanol	2.5 wt%
Appearance/Color	Free of gelatinous and foreign matter. / No exceptional color variation

Notes:
Nouryon's warranty and liability for non-conforming goods / products is limited solely to the elements set out in this specific section above, under the heading "Specification". This warranty is the sole warranty given by Nouryon. The other information included in this Product Data Sheet is not covered by Nouryon's warranty, and Nouryon will have no further obligation or liability with respect thereto.

Applications

Levasil® CB301 is a specialty product primarily used in formulations intended for concrete densification and finishing aid for concrete surfaces. It can also be used as an admixture for concrete.

Storage

Levasil® CB301 should be transported and stored at a temperature of 0-40°C (32-104ºF). For packaged goods, any translucent packages should be stored out of direct sunlight or bright light. Under recommended conditions, Levasil® CB301 has a shelf life of eighteen months after production.

Packaging and transport

Levasil® CB301 is available in bulk, 1000 liters IBC and 220 liters plastic drum.

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.

Certifications

ISO 9001 and 14001 certified.

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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