Levasil CT24 PL

Colloidal silica

Levasil® CT24 PL is an alkaline, aqueous dispersion of colloidal silica that is approximately 30% solids by weight. The silica dispersion is sodium 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 semi-wide particle size distribution. The physical appearance of the dispersion is a clear liquid, slightly more viscous than water.

CAS number
7631-86-9

Characteristics

Silica	30 wt%
Density	1.2 g/cm^3
Specific surface area	230 m^2/g
pH	10
Viscosity	7 cP
Na_2O	0.35 wt%

Applications

Levasil® CT24 PL is an optimised product with a proven performance within the coating and surface treatment area.

Storage

Levasil® CT24 PL should be transported and stored at a temperature of 5-50°C (40-120ºF). 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® CT24 PL has a shelf life of at least eighteen months after production.

Packaging and transport

Levasil® CT24 PL 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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