

# Levasil CA316 PDL

## Colloidal silica

Levasil CA316 PDL is an acidic, aqueous dispersion of colloidal silica that is approximately 30% solids by weight. The silica dispersion is stabilized by absence of electrolytes and the amorphous silica particles carry a none charged surface. 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. Levasil CA316 PDL is available for world-wide distribution.

**CAS number**  
7631-86-9

### Characteristics

Silica	30 wt%
Density	1.2 g/cm <sup>3</sup>
Specific surface area	160 m <sup>2</sup> /g
Surface area, via BET	200 m <sup>2</sup> /g
pH	2.5
Viscosity	5 cP
Na	300 mg/kg
Chloride	< 5 mg/l
Sulphate	< 5 mg/kg

### Applications

Levasil CA316 PDL is a speciality product primarily used for the catalyst market.

### Storage

Levasil CA316 PDL 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. Shelf life is at least 12 months after production

### Packaging and transport

Levasil CA316 PDL is available for world-wide distribution.

## 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.

Levasil® is a registered trademark of Nouryon Chemicals B.V. or affiliates in one or more territories.

## Contact Us

### **Nouryon, Colloidal Silica, Kromasil**

SE-445 80 Bohus  
Sweden  
+46 31 58 70 00  
kromasil@nouryon.com

### **South America**

Jundiai  
Brazil  
+55 11 45894800  
colloidal.silica@nouryon.com

### **USA, Canada and Mexico**

Marietta  
USA  
+1 770 5780858  
colloidal.silica@nouryon.com

### **China**

Shanghai  
P.R.China  
+86 21 22205000  
levasil.china@nouryon.com

### **North and South East Asia**

Taichung  
Taiwan  
+886 4 23270520  
colloidal.silica@nouryon.com

### **Europe, Africa and Australia**

Cologne  
Germany  
+49 221 995850  
colloidal.silica@nouryon.com

The Nouryon logo consists of the word "Nouryon" in a bold, orange, sans-serif font. The letter "N" is stylized with a vertical bar on its left side.