

KÖSTROSOL® 3550 P

Köstrosol® 3550 P is a milky mobile aqueous dispersion of amorphous silicon dioxide nanoparticles. This large-size colloidal silica has a negatively charge surface (anionic) which is stabilized by Alkaline (Na⁺).

CHEMICAL MARKING:	aqueous, colloidal silica dispersion
CHEMICAL FORMULA:	SiO ₂ x H ₂ O
STABILIZATION:	Na ⁺ ; negatively charged surface
(SURFACE-) MODIFICATION:	without
PROTECTION AGAINST BIO-ORGANISMS:	contains a biocide agent
PROTECTION AGAINST FREEZING:	without
APPEARANCE:	milky mobile liquid
MSDS NO.:	KS054103
RECOMMENDATION FOR STORAGE AND HANDLING:	Transportation and storage in closed original container; protect from permanent light. Frost-susceptible Material! Ideal storage temperature between 5 - 25 °C. Shelf life (in unopened original packaging): 12 months

CHARACTERISTIC PROPERTIES

Köstrosol® 3550 P with controlled specification values receives a documented addition of 200-300 mg/kg Dowicil® 75.

PROPERTY	UNIT	VALUE
Specific Surface Area	m ² /g	71.3
Residue	% (w/w)	49.9
Silicon dioxide content (as SiO ₂)	% (w/w)	48.9
Density (@ 20 °C)	g/cm ³	1.388
Free Alkalinity (as Na ₂ O)	% (w/w)	0.2
pH value (@ 25 °C)		9.8
Viscosity, dynamic (@ 25 °C)	mPa s	6.7

Special customer related specifications can be agreed.

REGISTRATION

CAS NO.	7631-86-9
EINECS NO.	231-545-4
REACH	01-2119379499-16-0065



APPLICATION

ELECTRONIC & SEMICONDUCTOR INDUSTRY	Wafer processing Coarse and fine removal of wafer structures. Wafer processing Chemical mechanical polishing (CMP) and planarization of various metals and semimetals.
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PACKAGING

Following standard packaging is available:

- Road Tanker: ~ 24 mt
- Intermediate Bulk Container (IBC): 1000 L
- plastic bung hole drum: 220 L

Further packaging available on request.

HEALTH AND SAFETY

No dangerous goods

No hazardous material as defined by the transport regulations.

Material Safety Data Sheet available on request.

CERTIFICATES

CWK is certified according to ISO 9001, ISO 14001 and ISO 50001.