

# Silica

## FACT SHEET

**Description:** Silica is a solid spherical powder (silicon dioxide) that occurs in various form in nature (e.g. sand, quartz, minerals). Purity 100%. White powder with 3-10 $\mu$ m average particle size. Not soluble in water (partly in hot water), dispersible in oils.

**CAS:** 7631-86-9, 112945-52-5, 60676-86-0

**INCI Name:** Silica

**Properties:** Acts as a texturizer and soft focus agent. Due to its free-roll-over property silica provides a luxurious feel, excellent tactile experience, and exceptional lubricity to loose and pressed powder products. It improves the "fluidity" of make-up powders and skin care products. As a carrier material, the beads can hold perfumes and active ingredients by adsorption.

**Use:** Can be formulated into o/w and w/o emulsions & anhydrous systems. Add to oil phase of all emulsion types. For external use only.

**Applications:** Sun care products, skin care products, color cosmetics e.g. makeup & powders, hair care products.