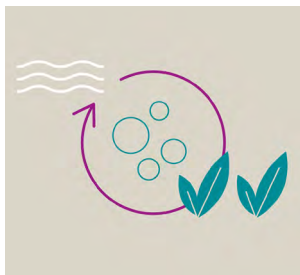
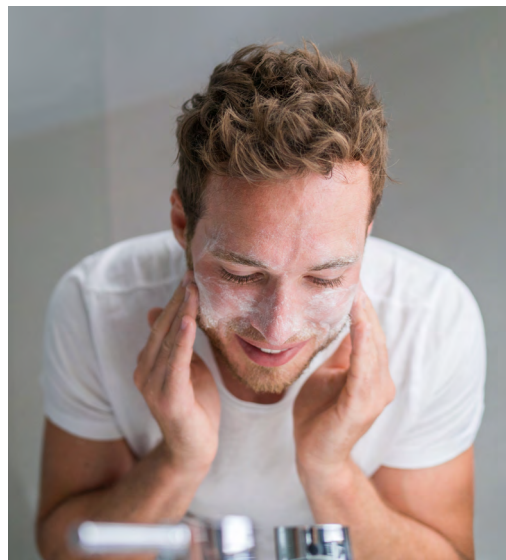


# SILICA IS AN ALTERNATIVE TO MICROPLASTICS IN COSMETICS

SIPERNAT®

SPHERILEX®



## HOW TO AVOID MICROPLASTICS IN COSMETICS?

Each year, up to approx. 3,800 metric tons of intentionally added microplastics from cosmetics and care products are released into the environment in Europe alone, according to estimates from the European Chemicals Agency (ECHA). Up to now, many cosmetic formulations have included tiny polymer particles. These enter the oceans through wastewater, are ingested by fish, and eventually enter the human body when we consume these fish. To protect the world's oceans from microplastic pollution, the cosmetics industry is increasingly searching for alternative ingredients.

## SILICA – A NATURALLY DERIVED MINERAL INGREDIENT

SIPERNAT® PC and SPHERILEX® PC silica were developed as functional additives offering an alternative to microplastics in cosmetics. These silica grades serve as peeling particles in shower gels, face- and body-peeling products. They also improve the sensory characteristics in moisturizing and toner creams, foundations, make-up and face powder, providing a pleasant skin feel and soft focus.

## Personal Care

**SIPERNAT® PC and SPHERILEX® PC silica are naturally derived mineral ingredients according to ISO 16128.**

**They can help formulate personal care products without microplastics.**

Evonik's synthetic amorphous silica is recognized as a naturally derived mineral ingredient according to ISO 16128. Its chemical structure is indistinguishable from natural amorphous silica. Synthetic amorphous silica simply joins the natural cycle of silica, and it is not harmful to aquatic environments or wastewater plants.

## CERTIFICATIONS

SIPERNAT® PC and SPHERILEX® PC products come with certificates that allow usage in natural cosmetic products:

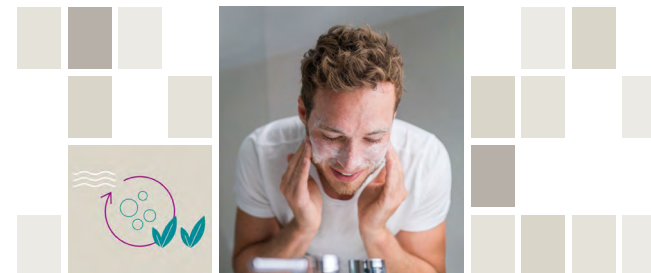
- COSMOS
- NATRUE
- Classed as a "derived mineral" according to table 1 of ISO 16128-2
- Degree of naturalness:
  - Natural Index: 0
  - Natural Origin Index: 1
  - Organic Index: 0
  - Organic Origin Index: 0
- Many products hold Kosher and Halal certification
- Production sites with ISO 9001 certification and HACCP system

**Evonik provides comprehensive life cycle assessment (LCA) data for silica products.**

**The Silica and Silanes experts at Evonik – From elements to excellence.**

SIPERNAT® 

SPHERILEX® 



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