

Silicones used by pjur

Silicones are used across the globe in the cosmetics and medical sectors and are also commonly found in a wide range of commercial products.

The silicones used in the formulas are subject to the restrictions set out in REACH* and are aligned with the recommendations of the European Chemicals Agency (ECHA*). As such, they do not pose any risk to human health.

In addition to this regulatory control, we have also committed to only using highly compatible ingredients in our product development at pjur and to also making raw material quality our top priority when selecting our suppliers.

Therefore, we primarily use the following silicones for our formulas: Cyclopentasiloxane, dimethicone and dimethiconol.

All three of them are non-comedogenic. This means that our silicones form a protective film over the skin but are not absorbed, enabling them to protect and care for the skin. The property is based on the structure of our silicones as they are made of synthetic, long-chain polymers.

Our silicones do not penetrate the skin, which makes them particularly suitable for people with sensitive skin and allergies.

Our silicones have also been tested for their environmental safety.

Cyclopentasiloxane, dimethicone and dimethiconol can be eliminated in sewage treatment plants through absorption into sewage sludge. When the silicones are degrading, the volatile silicones dimethicone and dimethiconol may evaporate into the air where they are eliminated by photodegradation (broken down by sunlight).

Current restrictions issued by the ECHA for specific product groups of silicones in shampoos and other shower products do not apply to products manufactured by pjur. Nevertheless, we regularly check the legal regulations governing our products in all countries in which our products are offered. We are not currently aware of any such restriction from another country. Canada, Australia and the USA are not considering any restrictions of this kind.

pjur group Luxembourg S.A.
Product development – Product support

*REACH is a regulation from the European Union that was issued to improve the protection of human health and the environment from risks that may arise from chemicals. All manufacturers of consumer goods must comply with this regulation.

[\(Understanding REACH – ECHA \(europa.eu\)\)](#)

The *ECHA or European Chemicals Agency is responsible for implementing the EU's chemicals legislation to protect human health and the environment.

[\(About the ECHA - ECHA \(europa.eu\)\)](#)

Sources:

[Dimethicone | Cosmetics test 2021](#)

[87081_SHD \(kremer-pigmente.com\)](#)

Safety datasheets from raw material suppliers

Change history: Ver.	Date created	DCO	Description of change	Author
1.0	28 April 2021	21-018	Initial creation	Andrea Paulus