

Keeping our air and water clean

Cyclosiloxanes D4, D5 and D6

Cyclosiloxanes D4, D5 and D6 are silicone-based compounds that have been identified as being persistent, bio-accumulative or toxic (PBT) or very persistent and very bio-accumulative (vPvB).



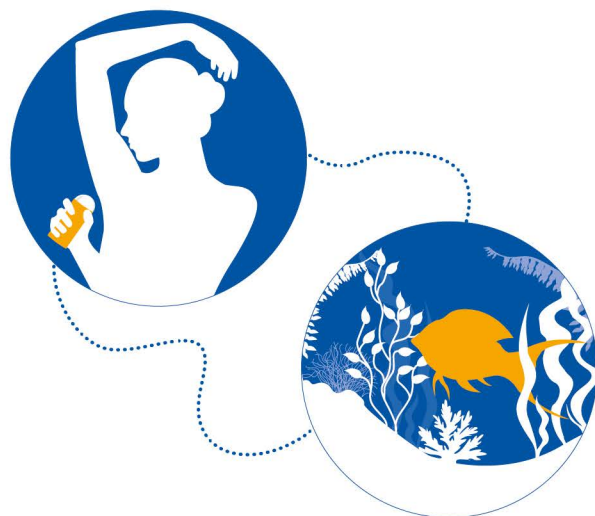
Where can you find them?

They are used in cosmetics, such as deodorants and antiperspirants, make-up, skin care and hair styling products. Car polishes and waxes might also contain these substances.

What is the concern?

The compounds build up in the environment and in aquatic food chains. D4 is suspected of damaging fertility.

The annual releases to the environment are currently estimated at 18 000 tonnes, leading to an environmental stock of approximately 500 tonnes. Cosmetics are the main source of the releases.



What is the EU doing?

ECHA is proposing to restrict the use of these chemicals in the EU. Our proposal could prevent up to 90 % of annual releases. The estimated costs to industry will be € 700 million over 20 years.

The use of D4 and D5 in wash-off cosmetics has already been restricted since February 2020.

REACH restrictions limit the use of hazardous chemicals – this can mean controlled use or a total ban of a chemical.

Visit us at echa.europa.eu