

Plastic microfibres: An underestimated pollutant

Each year¹:



8 M tons of plastic are discharged into our oceans



marine species get caught in our waste



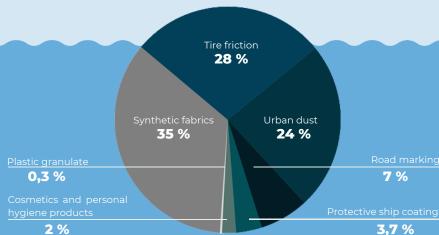
90 % of seabirds ingest plastic

While we pay particular attention to the impact of plastic on our oceans and marine life, it equally affects land biodiversity.

What is a microplastic?

Microplastics are plastic particles smaller than 5 mm in size. Often invisible to the naked eye, they are produced by certain industrial sectors and cleaning products, from the degradation and fragmentation of plastic waste, and from synthetic clothing. Given their chemical stability, microplastics can persist for a long time in the environment.

Discharge of microplastics in the oceans, by source (%)



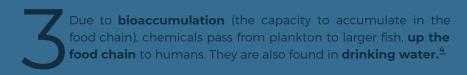
Microfibres, macropolluants



United States release about 880 tons of microfibres, which is the equivalent of 10 blue whales.3



Microfibres **absorb** persistent organic pollutants, such as dioxins and organochlorine pesticides. They can then become concentrated in the tissues of marine species.



On average a person **ingests 5 g of plastic per week** through eating and drinking. The main source of ingested plastic: drinking water. It is estimated that a person will consume about **1,769 pieces of plastic** per week, just through the water they drink.⁵



Solutions exist!

Washing machine filters have been developed in order to reduce the amount of microfibres released into the environment. They trap at least 87% of plastic microfibres.

The GRAME, in collaboration with participating cities and RECYC-QUÉBEC is offering a grant to purchase a plastic microfibre **filter.** Citizens will need only to pay the taxes.

You can do other things to reduce the number of plastic particles generated during clothes washing and reduce your environmental impact:













Buy second-hand