

## For many years, Surfrider Foundation has been consulted on a regular basis about the environmental and human

health impacts of sunscreen use in the ocean.





**OUR ANSWER:** 



ABEL OR NO LABEL,

OF THEM **«PROTECT» IT** 

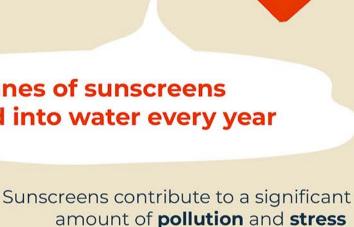
• Numerous scientific studies have shown a link between UV filters,

both chemical and mineral, and damage to flora and fauna,

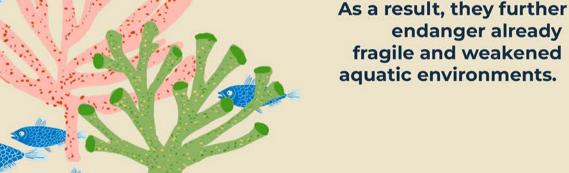
as well as risks to human health.

**EXPLANATIONS** 

25,000 tonnes of sunscreens are discharged into water every year



on biodiversity and water quality.





direct indirect physiology, behaviour, growth disappearance of breeding species and therefore on all the surrounding biodiversity and mortality of species

Significant undesirable effects

The presence of sunscreens in significant concentrations in the marine environment appears to be the cause of bioaccumulation in certain species.

Impacts can be



While protection from the harmful effects of prolonged sun exposure remains essential, several studies on certain chemical

RECOMMENDATIONS

or mineral filters have shown potential allergenic, endocrine

breast milk, placenta and urine. Others may disrupt pregnancy,

disrupting, carcinogenic and even mutagenic effects. Traces of some compounds have been found in blood,

affect the thyroid or pose a risk of infertility.



CH3

## one environment, one health, Surfrider recommends: Encourage the purchase of sun care products with certified environmental labels (like the European Ecolabel for instance)

that exclude the most controversial **UV filters and ingredients:** 

Defending the concept of du «One Health »

« Benzophénone-3 » « Octinoxate » D or «xybenzone » or « BP-3 » or «octyl methoxicinnamate» or « ethylhexyl methoxycinnamate »





« Octocrylène »

on sunscreen products, and any communication

that a product has no impact on the ocean

that may mislead consumers or lead them to believe



in particular coral reefs.

### To remove from their formulations chemical ingredients that have not been proven to be harmless to health and the environment,

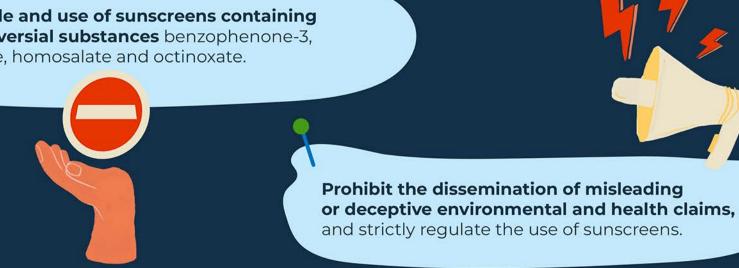




and the environment.

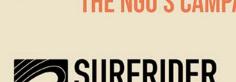
# SURFRIDER IS CALLING ON DECISION-MAKERS TO Ban the sale and use of sunscreens containing the controversial substances benzophenone-3, octocrylene, homosalate and octinoxate.

Apply the precautionary principle, continue



scientific research into the environmental and health impacts of sunscreens, and discard UV filters shown to be harmful to the environment and health.







Facilitate the transparency and clarity of sunscreen product labels for consumers. CCCC