



Sunscreen with **harmful** oxybenzone.

- Sunscreen- it protects our skin from the sun's harmful UV rays, but what is it doing to our environment?



This is Dory's home.

Dory lives in a coral, one of the many creatures that inhabit the vast depths of the ocean.

But corals are being threatened by us every day.

For additional information go to:

- ❖ <https://marinedebris.noaa.gov/research/detecting-microplastics-marine-environment>
- ❖ https://www.biologicaldiversity.org/news/press_releases/2015/plastic-microbeads-12-28-2015b.html
- ❖ [https://cdhc.noaa.gov/docs/Site%20Bulletin Sunscreen final.pdf](https://cdhc.noaa.gov/docs/Site%20Bulletin%20Sunscreen%20final.pdf)
- ❖ <http://unep.org/gpa/documents/publications/PlasticinCosmetics2015Factsheet.pdf>

FINDING THE RIGHT SUNSCREEN AND AVOIDING HARMFUL MICROPLASTICS



Research by HIRES, REU, & NOAA-CREST Interns: Alexandra Seemungal, Caitlin Tsang, Samantha Verdugo, Andrea Gomez, and Michael Mateo

Neutrogena Ultra Sheer® Body Mist Sunscreen with Helioplex® provides superior broad-spectrum protection against skin-aging UVA and burning UVB rays. This ultra-light formula is non-greasy and applies easily to even hard-to-reach areas.

Drug Facts	
Active ingredients	Purpose
Avobenzone 3%, Homosalate 15%, Octisalate 5%, Octocrylene 10%, Oxybenzone 6%	Sunscreen

What's going on?

- 80% of sunscreen products contain toxic chemicals such as **oxybenzone**, including *Banana Boat* and *Coppertone*.
- These chemicals end up in our oceans when we are swimming and lead to **coral bleaching**. Over time, this can kill an entire coral reef.
- If this happens, many sea animals, including those we see in the film *Finding Dory*, will lose their home.



This is the effect that coral bleaching has had on the Great Barrier Reef in Australia, the largest coral reef in the world. www.greenpeace.org

Don't let Dory lose her home!

By choosing environmentally conscious products you can help reduce damage to coral reefs from cosmetic products.

Here is a list of products that will be less harmful to coral reefs:

- **All Terrain's** natural, and oxybenzone-free sunscreens are award-winning.
- **Badger Natural & Organic Sunscreens'** only active ingredient is zinc oxide, a safe and effective mineral that helps block both UVA and UVB rays off your skin.

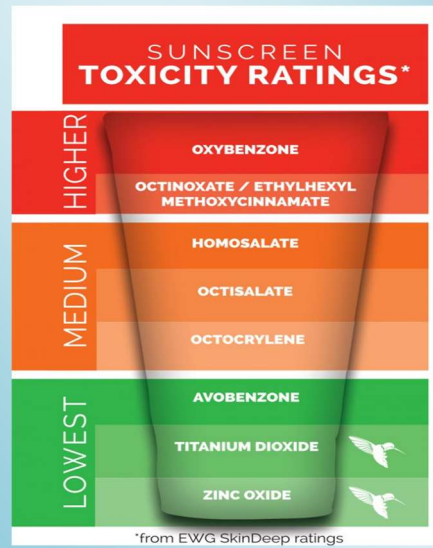


President Obama Bans Microbeads in Beauty Products

Microbeads (micro plastics), which are present in toothpaste, facial scrubs and cosmetics, are also harmful for oceanic life. Since microbeads like **polyethylene** and **ethylene** are extremely small and evenly dispersed, they tend to easily pass through the water filtration system. Meaning, sea creatures are increasingly at risk, especially at tourism sites. Removing them would be financially ineffective, so the best solution would be to minimize its use.

Tips

- Search for reef-friendly alternatives. Look at the back of sunscreen products for mineral active ingredients such as **titanium dioxide** or **zinc oxide**, which are just as effective as oxybenzone.



non-toxickids.net