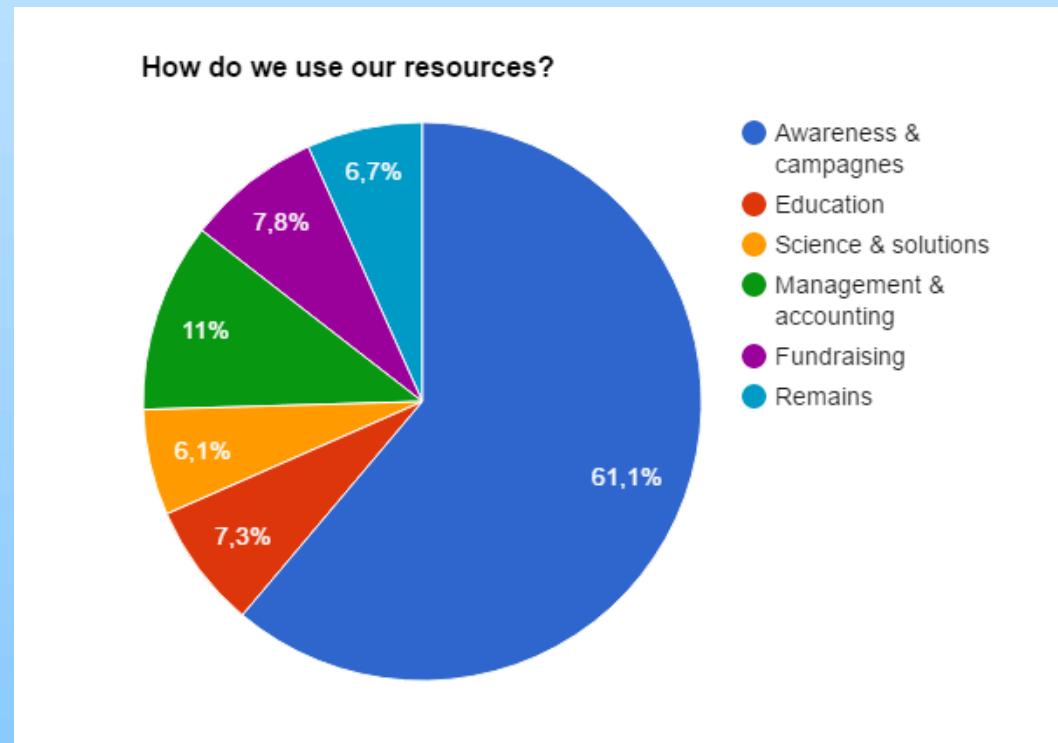


How we create change...

About Plastic Soup Foundation

- Since 2011
- Grassroot startup
- Now 13 FTE
- Budget >1 million/y
- Independent
- Be Aware
- Get Educated
- Find Solutions



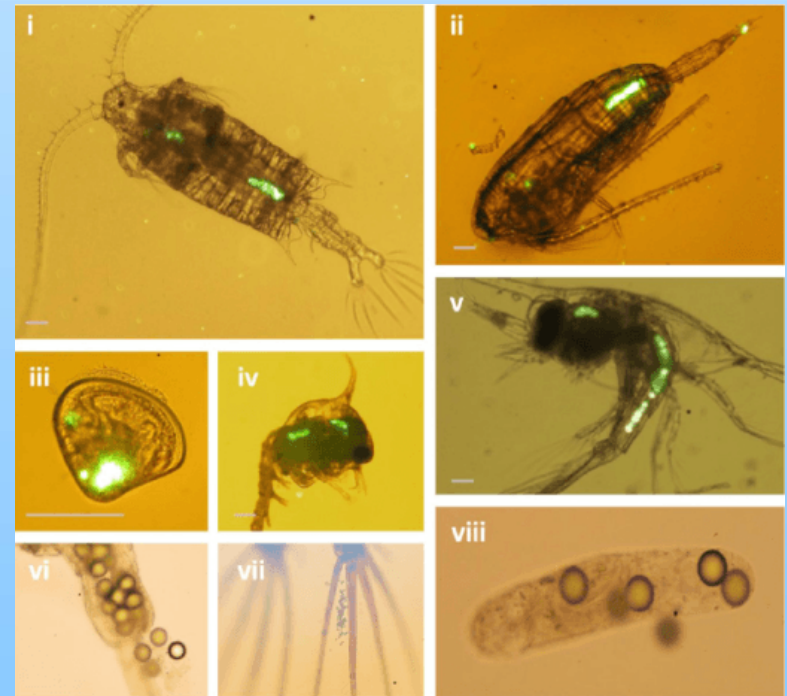
Biggest problem

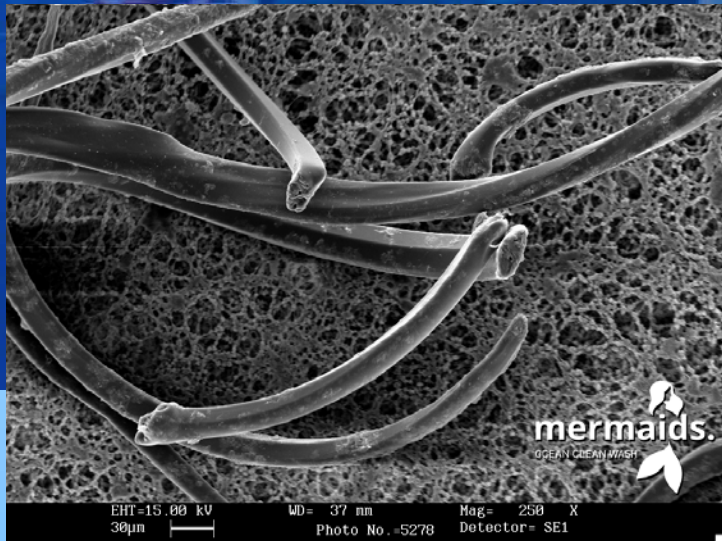
=

microplastics

Consequences

- Zooplankton
- Ingested by (marine) animals
- Duckweed
- Bioaccumulate in animals
- End up in food chain
- Persists in the environment
- Impossible to cleanup





EHT=15.00 kV WD= 37 nm Mag= 250 X
30µm Photo No.=5278 Detector= SE1



mermaids.

OCEAN CLEAN WASH


Polymers in detergents



With the contribution of the LIFE financial instrument of the European Community:



PROCTER & GAMBLE – Spanish Market


BRAND	SURFACTANTS		POLYMERS	ALKALINE AGENTS	OTHERS
	ANIONIC	NON ONIC			
 Ariel Básico	Sodium dodecylbenzenesulfonate Sodium C12-C15 pareth sulfate Dodecylbenzenesulfonic acid Sodium coceth-30 sulfate	C12-C14 pareth-7	Sodium acrylic acid/MA copolymer Sulfonated polyethylene/polyethylene terephthalate Sodium polyacrylate Polyethylene glycol	Sodium hydroxide	Sodium sulfate, Sodium carbonate, Sodium carbonate peroxide, Sodium silicate, Aqua, Sodium silicoaluminate, Citric acid, TAED, Sodium chloride, Parfum, Cellulose gum, Tetrasodium etidronate, Sulfuric acid, Brightener 15, Silicone compound, Hexyl cinnamal, Sodium starch octenylsuccinate, Microcrystalline cellulose, Limonene, Kaolin, Dextrin, Titanium dioxide, Citronellol, Protease, Calcium carbonate, Sorbitol, Mannanase, Zinc Phthalocyanine sulphonate, Colorant, Lipase, Glycerin, Magnesium sulfate, Amylase, Hydroxypropyl methylcellulose, Sucrose

NO polymers



With the contribution of the LIFE financial instrument of the European Community:




BRAND	SURFACTANTS		ACTIVE	POLYMERS	ALKALINE AGENTS	OTHERS
	ANIONIC	NON IONIC				
	Sodium C10-C14 alkyl benzenesulphonate	Laureth-7 Laureth-3 Alcohol C12-C18, EO/PO Alkylethoxylate 8EO C12-C15 pareth-5 Fatty alcohol 5EO	Hydrogen peroxide	-	Sodium hydroxide	Aqua Etidronic acid BHT Hexyl cinnamal Colorant



With the contribution of the LIFE financial instrument of the European Community:




BRAND	SURFACTANTS		POLYMERS	ALKALINE AGENTS	OTHERS
	ANIONIC	NON IONIC			
 Micolor Gel	Sodium laureth sulfate Benzenesulfonic acid, C10-C13, sodium salts Fatty acids, C12-C18, sodium salts	C12-C18 fatty alcohol 7EO	-	Sodium hydroxide	Aqua Glycerin Sodium citrate Sodium chloride



With the contribution of the LIFE financial instrument of the European Community:



BRAND	SURFACTANTS		POLYMERS	ALKALINE AGENTS	OTHERS
	ANIONIC	NON IONIC			
 Norit Cuidado Color	Sodium dodecylbenzenesulphonate Sodium C14-16 olefin sulfonate Fatty acid, palmkernel-oil, sodium salt	Fatty alcohol ethoxylated	-	Sodium hydroxide	Aqua Sodium chloride Parfum Benzisothiazolinone 2-bromo-2-nitropropane-1,3-diol Colorant Mixture of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-Methylisothiazol-3(2H)-one with magnesium chloride and magnesium nitrate

Polymers

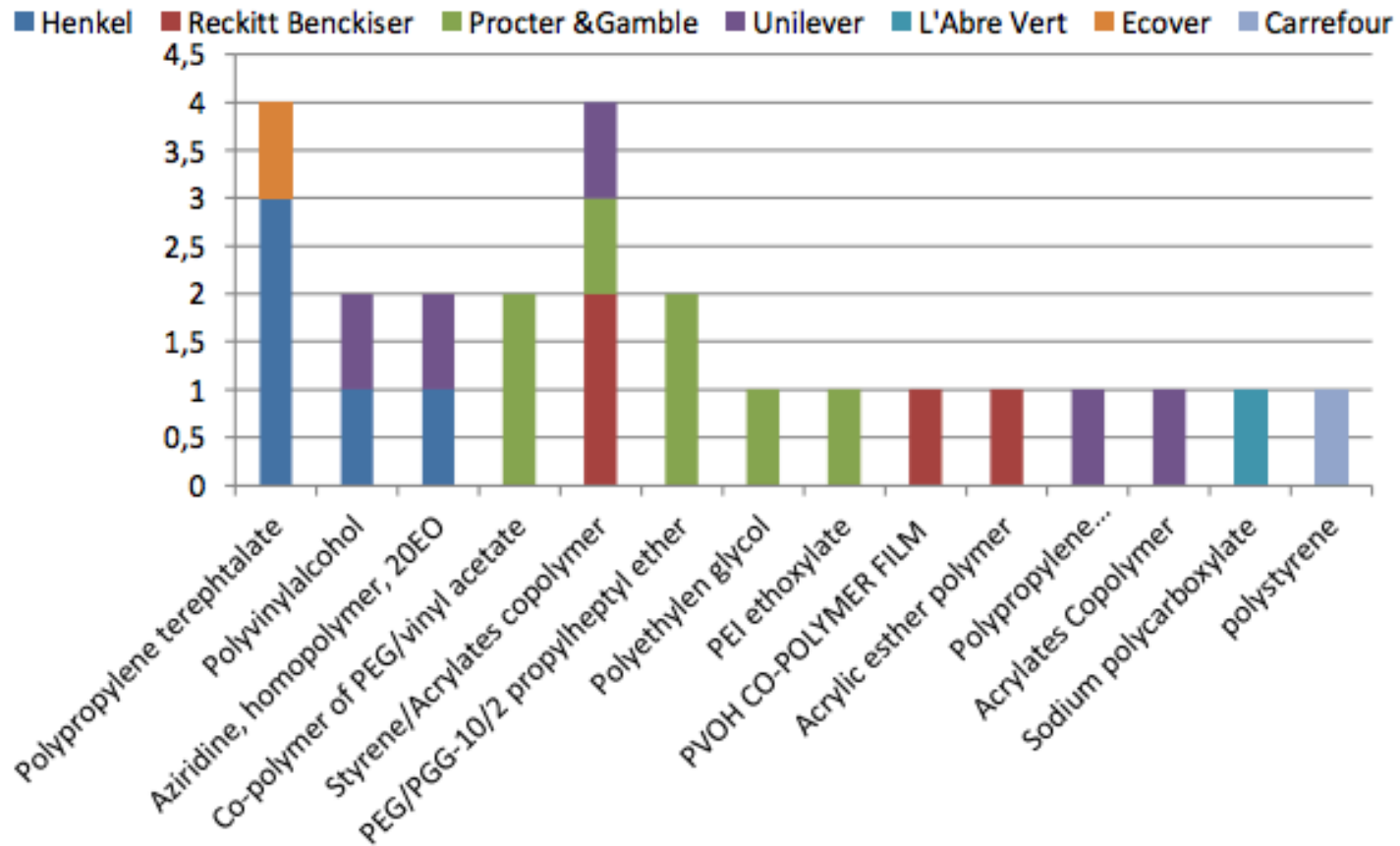


Figure 3. Common polymers used in some representative products from the European market

Product safety sheets

STYRENE/METHACRYLE COPOLYMER

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

12.2. Persistence and degradability

Assessment biodegradation and elimination (H₂O):
Product is not expected to be readily biodegradable.

Ban microplastics

Restrict all intentionally added microplastics that are:

- **Persistent**
- **Bio- accumulative**
- and/or **Toxic**

to the environment and/or human health

Bans on microplastic

- No information doesn't mean 'just make an exception'
- Use precautionary principle
- Alternatives available

Reconsider the **current exception of polymers** from registration and evaluation under **REACH!**