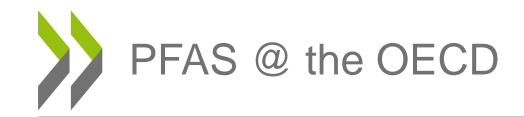
### PFAS AND ALTERNATIVES :

# COMMERCIAL AVAILABILITY AND CURRENT USE IN 3 SECTORS

Tackling PFAS Pollution – Belgian Presidency of the EU February 2024

Eeva LEINALA, OECD





# 20 years of work on PFAS at the OECD

https://oe.cd/pfass https://oe.cd/gfe-pfass OECD Global Forum on the Environment dedicated to Per- and Polyfluoroalkyl Substances (PFAS)

12-13 February 2024 | Hybrid event Background Document: OECD work on PFAS

OECD

TER POLICIES FOR BETTER LIVES

Background to the OECD/UNEP Global PFC Group

- <complex-block>
- Established in 2012 in response to ICCM Resolution II/5;
- Set up to facilitate exchange of information on PFAS, and to support a global transition towards safer alternatives;
- Brings together experts from OECD member & non-member countries in academia, governments, industry, IGOs, NGOs.

http://www.oecd.org/chemicalsafety/portal-perfluorinated-chemicals/ oe.cd/pfass

## Collect information on commercial availability & current uses of PFAS & alternatives in different industry sectors and on their hazard profile



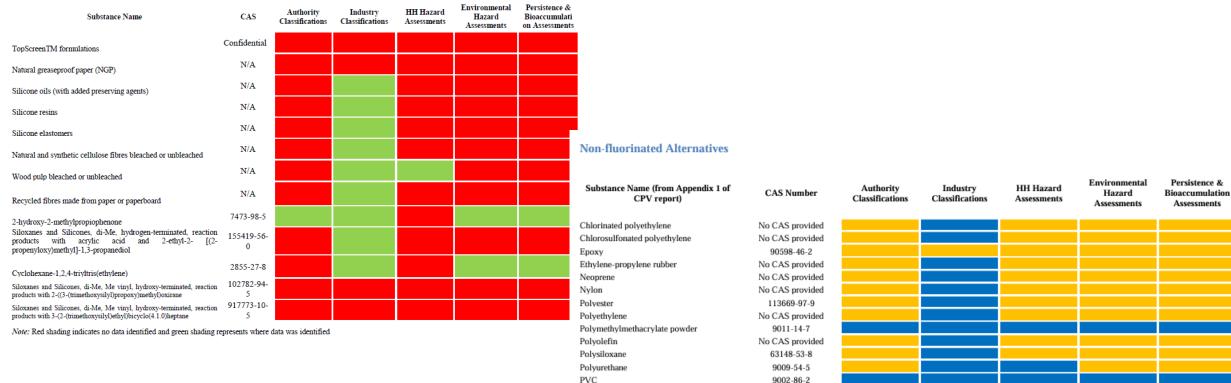
Published in 2020 Hazard info on the alternatives - 2022 Published in 2022 Hazard info on the alternatives - 2024



Sector	Food Packaging (Paper and Paperboard)	Paints, Coatings and Varnishes	Cosmetics
Alternatives available?	Yes	Yes	Yes
Provide needed functionality?	Yes	Except for specialised uses	Yes
Are they being used?	Not really	Yes, except where certain functionality is required	Yes
Key point:	Alternatives are higher cost and create disincentive to shift to them	PFAS is more expensive than alternatives; only used when specific functionality required	Replacements are not drop-in. Reformulation of products occurring. Not specific 'alternatives'.



### Non-fluorinated Alternatives



Silica based

Sulfosuccinates

Thermoplastic elastomer

diol)

Silicone polymers (made of silanes and

siloxanes) (For example, non-ionic

modified silicone polyether and a mixture

of a silicone polyether and a

diocylsulfosuccinate in ethanol and water)

Sulfosuccinates (Sulfosuccinate mixed with water and 2,2 dimethylpropane-1,3-

Note: Yellow shading indicates no data identified and blue shading represents where data was identified

No CAS provided

Example 67674-67-3

(10-15%) and

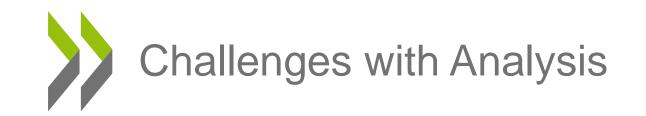
dioctylsulfosuccinate

(50-55%)

55184-72-0

577-11-7

No CAS provided



- Limited publically available information on:
  - Alternatives used
  - Substance identity of the alternative
  - Costs
  - Market penetration
- Due to gaps in substance identity, analysis of availability of hazard classification/assessment is hampered





# THANK YOU

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