

NGO PROJECT ON PFASS IN CONSUMER PRODUCTS

CASE STUDIES FROM CHINA, INDONESIA, RUSSIA



Nexus3 Foundation



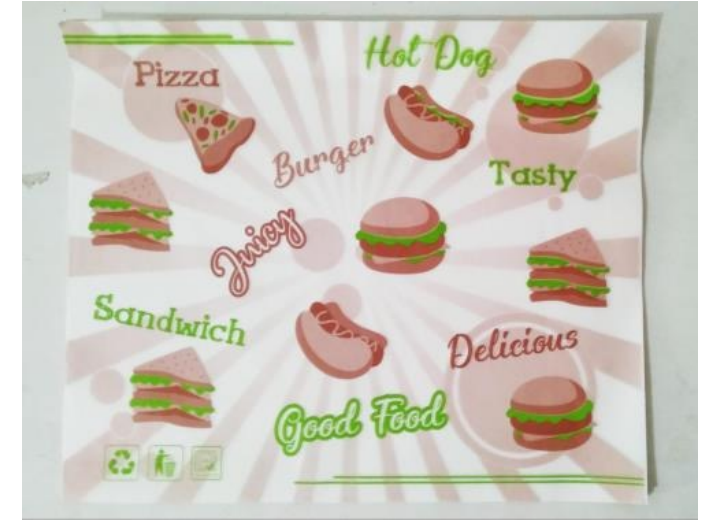
a toxics-free future

NEXUS3 FOUNDATION

ABOUT US

- BaliFokus established in 14 June 2000
- 2019 rebranded as Nexus for Health, Environment, and Development (Nexus3)
- Working to safeguard the vulnerable population from the impact of development to their health and environment, in collaboration with all stakeholders towards a just, toxic-free and sustainable future





Samples of products	Purchased in Indonesia	Purchased in USA
Textiles (Hijab, Cloth, Pants, Glove, Blanket)	13	-
Paper - Food Contact Material (FCM) (Popcorn bag, Food wrapper)	15	10
Other papers (Thermal paper)	1	-
Others (Rubber crumb)	1	-

NEXUS3-IPEN

STUDY 2021



TOXICS OUT



TOXICS IN



TOXICS OUT



TOXICS OUT



FINDINGS HIGHLIGHT

- 18 types of PFAS congeners found in samples tested in this study
- 37 out of 40 (92.5%) of analysed samples of product contained PFAS
- 11 out of 13 (84.6%) of textile samples contained PFAS
- 15 out of 16 (94%) of paper samples contained PFAS.
- The highest PFAS congeners detected in textile was 6:2 diPAP with 30,178 ng/g in a hijab;
- The highest PFAS congeners detected in paper was 6:2 diPAP with 2,043 ng/g in an imported microwaveable popcorn bag;
- Both samples of microwaveable popcorn bags from Indonesia and the USA contained 6:2 FTOH, PFHxA, and PFBA; and
- The most frequently detected PFASs congeners were 6:2 FTOH, PFHxA, PFOA, PFHpA and PFBA, PFDA and PFDoA.

INDONESIA REGULATIONS

Ministry of Agriculture

Prohibited active ingredients and additives for pesticides (PFOS)

National Standardization Agency (BSN)

Textile standard testing on PFOS and PFOA

Ministry of Industry

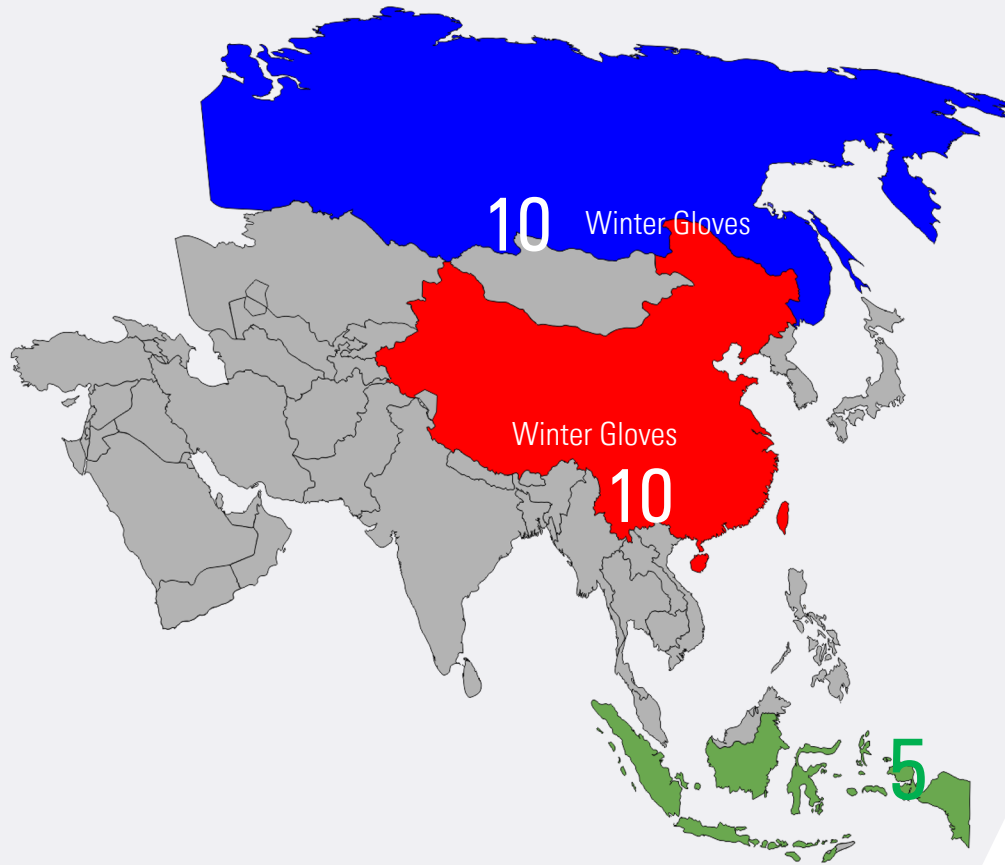
Textile industry have to verify PFOS content information

Ministry of Trade

Standard on PFOS and PFOA in textiles

By the time this study is being conducted, no national agencies in Indonesia have any program for environmental monitoring of PFOS or human biomonitoring or monitoring in products.

RESEARCH COLLABORATION 2021



Gloves, Hijab, Sport Trouser



HIGHLIGHT OF FINDINGS

- All analysed samples of product contained PFAS;
- 4 types of PFAS congeners found in samples tested in this study are **8:2 FTOH, 6:2 diPAP, 6:2/8:2 diPAP, and 12:2 FTOH.**
- 21 out of 25 samples (**84 %**) of the analysed contained **8:2 FTOH.**
- The highest PFAS congeners detected in all samples was **6:2 diPAP with 30,178 ng/g from Indonesia – Hijab.**
- The highest PFAS congeners detected in **China** was **6:2 FTOH with 129 ng/g in Winter Gloves.**
- The highest PFAS congeners detected in **Russia** was **6:2 FTOH with 1,790 ng/g in Winter Gloves.**

DISCUSSIONS

- XY PFAS congeners is expected to be present in the samples.
- The number of identified congeners is limited by availability of analytic standards.
- Moreover, FTOH-based side-chain fluorinated polymers are not detectable by used analytical method (but can be expected in the samples as per presence of FTOH

INTERNATIONAL REGULATIONS

The Stockholm Convention

PFOS to its global restriction list in 2009 and PFOA to its list for global elimination in 2019.

Outside the provisions of the Stockholm Convention, Indonesia and Russia have not adopted any additional regulatory control over PFAS.

China

PFOS, its salts and PFOSF (perfluorooctanesulfonyl fluoride) were listed on the List of Priority Control Chemicals in 2017 and is on the List of Strictly Restricted Toxic and Hazardous Chemicals.

PFOA and its salts were listed on the List of Priority Control Chemicals in 2020.

RECOMMENDATIONS (1/2)

For industries

- Stop the use of PFAS ingredients in new products
- Disclose PFAS content in products with clear warning signs/labels/icons on the products
- Companies that have shifted to fluorine-free alternatives should get their products certified through independent, third party verification procedures

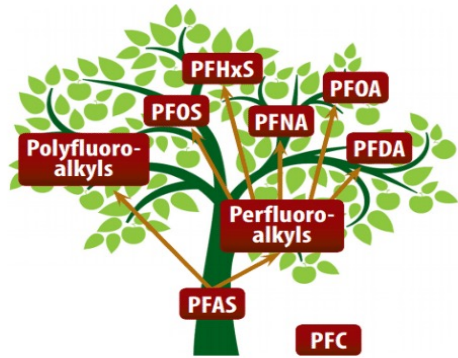
For all stakeholders

- Come together and unite in promoting and alerting the public about the hidden pollution and harms posed by PFAS substances
- Support and implement a strong policy to eliminate PFAS in Indonesia.

RECOMMENDATIONS (2/2)

- Significantly increase efforts towards transitioning to safe, non-PFAS alternatives, including establishing ambitious deadlines for **phasing out PFAS as a class** for all uses not essential for the functioning of society.
- Significantly **increase availability of information to support this effort**, including **analytical methods, hazard data for PFAS and information about non-PFAS alternatives**.
- Work towards **full transparency of PFAS content in products** and support **consumers' right to know and choose PFAS-free products**.

PFAS Situation Report: Indonesia



BALIFOKUS



April 2019



PFAS in Products in Indonesia



June 2021



PFAS IN CLOTHING

STUDY IN INDONESIA, CHINA, AND RUSSIA
SHOWS BARRIERS FOR NON-TOXIC CIRCULAR
ECONOMY

February 2022



THANK YOU!

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