Reducing Harm from PFAS: Safer & Sustainable Alternatives

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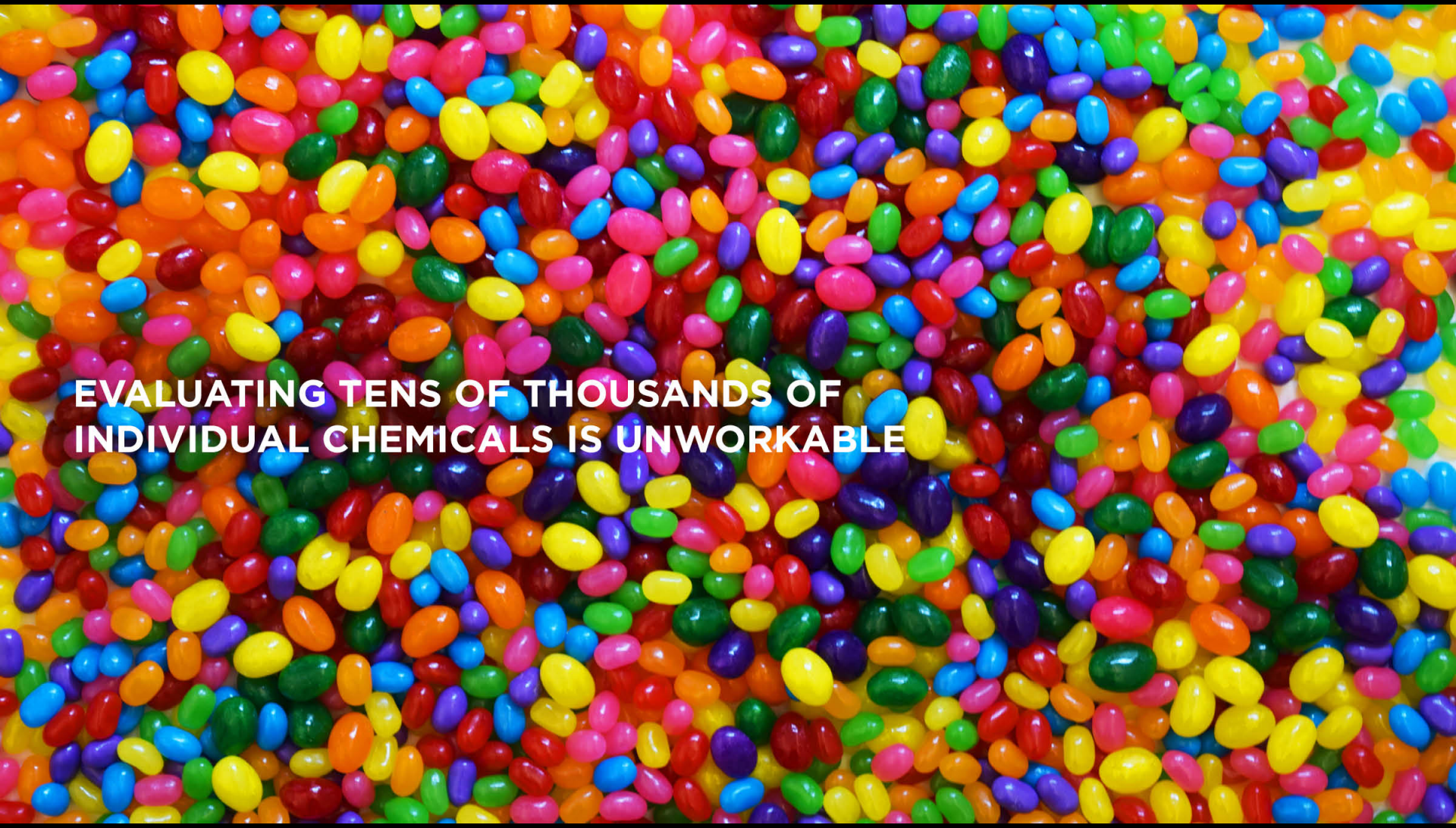
GREEN SCIENCE POLICY INSTITUTE

Scientific Research

Convene busness, govenrment, NGO, academic scientists

Communicate

Government Policy & Business Purchasing Change


EVALUATING TENS OF THOUSANDS OF
INDIVIDUAL CHEMICALS IS UNWORKABLE

BUT ADDRESSING SIX GROUPS OF CHEMICALS OF CONCERN IS MANAGEABLE

Six Classes Videos

www.SixClasses.org

Healthier products, healthier people in four minutes!

PFAS are Problematic
& Difficult to Clean Up

Prevention of more PFAS
is Preferable!

Keen's Journey
Many uses of PFAS are not necessary

- PFAS found in 101 places in Keen shoes
- 70 places where PFAS were unnecessary and removed
- Years of work to find replacements for other 31
- Success!

https://www.keenfootwear.com/detox/
https://keenfootwear.wpengine.com/wp-content/uploads/2022/05/KEEN_PFAS-FreeGreenPaper.pdf

Coop Denmark Drops the Pop

Coop pulls microwave popcorn from shelves

Fear of dangerous packaging causes retailer to drop the pop

Coop is pulling microwave popcorn from its shelves (photo: Bobby Eng)

May 18th, 2015 3:24 pm| by Ray W

Coop has pulled its microwave popcorn from its shelves over concerns about fluorinated substances used in the packaging.

PFAS-Free Microwave Popcorn Bags
Substitutes were developed

PFAS and Carpet

PFAS-treated carpet linked to high PFAS blood levels

Environmental Science & Technology

Article

pubs.acs.org/est

Exceptionally High Serum Concentrations of Perfluorohexanesulfonate in a Canadian Family are Linked to Home Carpet Treatment Applications

Sanjay Beesoon,[†] Stephen J. Genuis,[‡] Jonathan P. Benskin,[†,§] and Jonathan W. Martin*[,†]

[†]Division of Analytical and Environmental Toxicology, Department of Laboratory Medicine and Pathology, University of Alberta, Edmonton, AB, Canada

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Supporting Information

PFAS removed from carpets & rugs Jan 1, 2020
Substitutes were developed

Home Depot plans to phase out selling rugs and carpets containing PFAS

By VIRGINIA GORDAN • SEP 17, 2019

Share Tweet Email

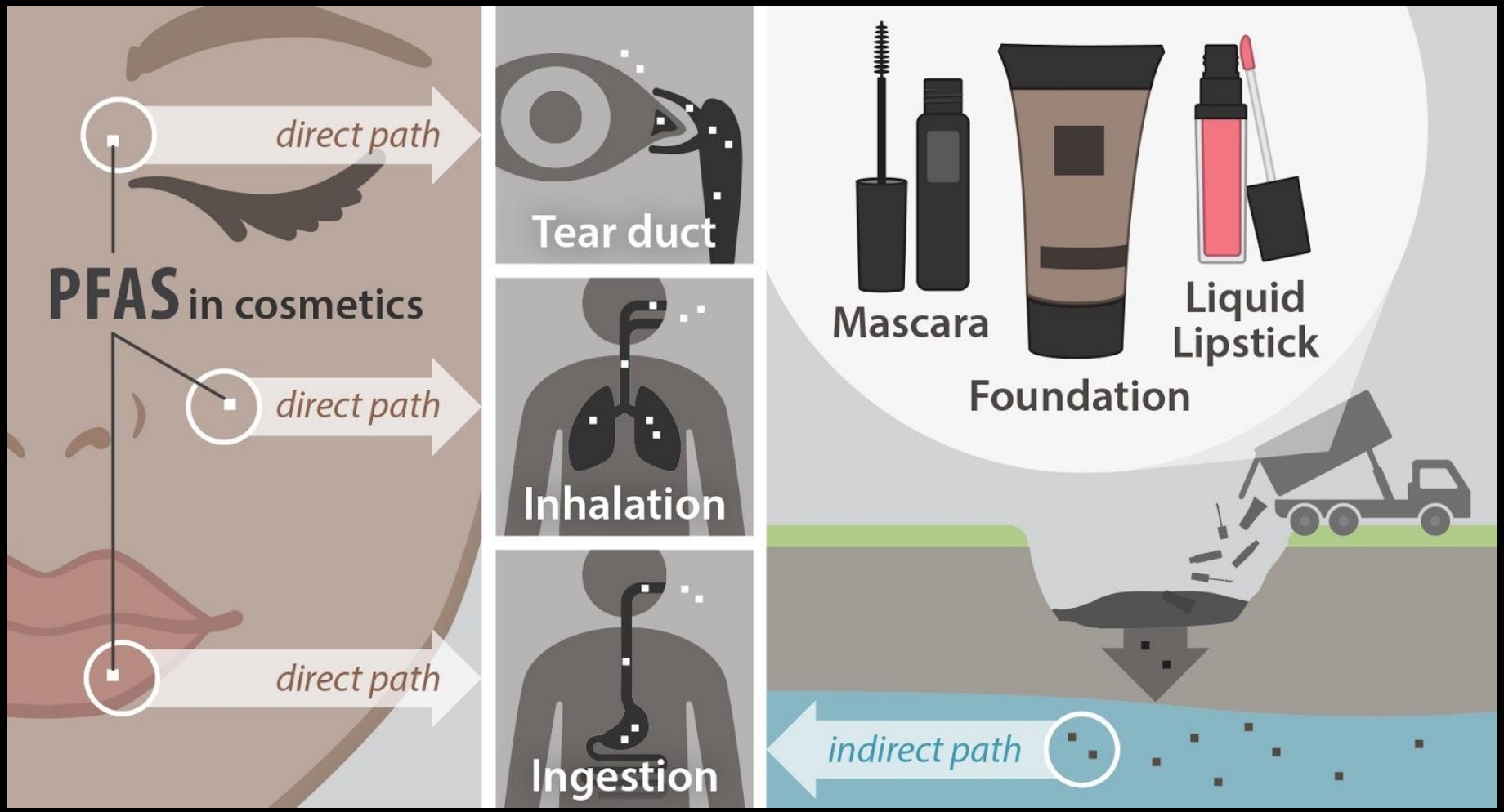
CREDIT ANDREI / ADOBE STOCK

The Home Depot announced Tuesday that it will stop buying from its suppliers any rugs and carpets that contain PFAS chemicals.

"Excluding PFAS from the carpets and rugs we sell is another example of our shared commitment to building a better future for our customers and the planet," Ron Jarvis, The Home Depot's vice president for environmental innovation, said in a written statement.

Michigan Radio,
September, 2019

Fluorinated compounds in North American cosmetics

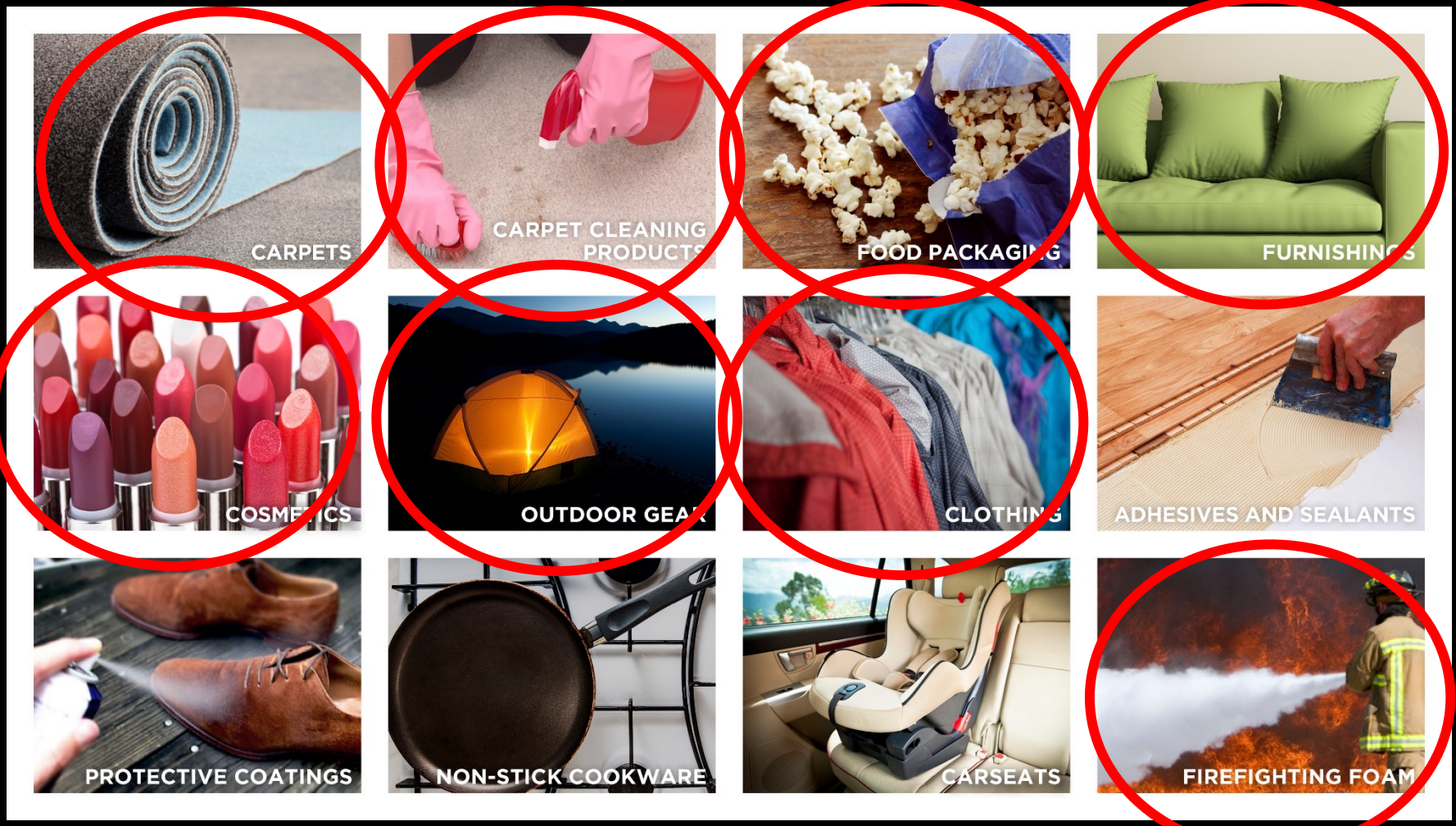


PFAS is not necessary in cosmetics

Brands are banning PFAS

- Testing products
- Investigating unlabeled PFAS
- Banning all intentional uses
  - Can reduce cost
- Supporting regulations like the *No PFAS in Cosmetics Act*

Moving away from PFAS in products



Environmental Science Processes & Impacts

ROYAL SOCIETY OF CHEMISTRY

PAPER

An overview of the uses of per- and polyfluoroalkyl substances (PFAS)†

Juliane Glüge, *[a] Martin Scheringer, [a] Ian T. Cousins, [b] Jamie C. DeWitt,[c] Gretta Goldenman,[d] Dorte Herzke, [ef] Rainer Lohmann, [g] Carla A. Ng, [h] Xenia Trier[i] and Zhanyun Wang[j]

Identified > 1400 PFAS in > 200 use categories

- Through databases, scientific studies, patents
- Highest uses: functional fluids in electrical equipment & machinery manufacturing

PFAS in Products Phase-outs

- Proposal from Sweden, Netherlands, Germany, Denmark to phase out PFAS in Europe by 2025
- Canada is working to address a broad class of PFAS
- US federal government commits not to purchase certain products containing PFAS
- By 2030, Maine will ban all PFAS uses unless "currently unavoidable"
- Proposed legislation for phase out and/or labeling of PFAS in products in seven other US states
- Washington State PFAS phase out by 2025 from apparel, cosmetics, and firefighter personal protective equipment etc

PFAS CENTRAL
A PROJECT OF GREEN SCIENCE POLICY

NEWS SCIENCE POLICY EVENTS PFAS BASICS ABOUT CONTACT

PFAS Central: sharing notable news, scientific papers & events

NEWS

PFAS Chemicals to be Banned in Firefighting Foam Used on Military Bases

U.S. Senator Kirsten Gillibrand today announced that a provision she cosponsored to prohibit the Department of Defense from procuring firefighting foam that contains per- and polyfluoralkyl substances (PFAS) passed the Senate Armed Services Committee as part of the annual National Defense Authorization Act (NDAA).

LEARN MORE

SCIENCE

Larval amphibians rapidly bioaccumulate poly- and perfluoroalkyl substances.

Toxic frogs lead to bioaccumulation in predator species.

LEARN MORE

POLICY

The Cost of Inaction: A socioeconomic analysis of environmental and health impacts linked to exposure to PFAS

A recent Nordic Council study, The Cost of Inaction: A socioeconomic analysis of environmental and health impacts linked to exposure to PFAS, estimates the very high cost of harm to human health and the environment from PFAS exposure in Europe.

LEARN MORE

Although useful, PFAS or highly fluorinated chemicals are associated with serious health harm and can remain in the environment forever.

LEARN MORE

LATEST NEWS LATEST SCIENCE LATEST POLICY OPPORTUNITIES

See the latest PFAS News, Science, & Policy

PFAS-FREE

Foodware

Non-Stick Cookware:

- Always Pan (all products, policy)
- Caraway (all products, policy)
- Greenlife (all products, policy)
- GreenPan (all products, policy)

Disposable Foodware (cups, plates, straws, and bowls):

- Bambu (Veneerware, policy)
- BPI's database of single-use foodservice ware products (all products, policy)[11]
- CEH's database of single-use foodservice ware products (all products, policy)[12]

New York Times

OPINION

GUEST ESSAY

Aug. 27, 2021

The Proliferation of Plastics and Toxic Chemicals Must End

By Marty Mulvihill, Gretta Goldenman & Arlene Blum

https://www.nytimes.com/2021/08/27/opinion/plastics-fossil-fuels.html

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