

# Fluorocarbon Policy Update

**SPFA 2025:**

**Latest Regulatory Update on Fluorocarbon Blowing Agents**

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RHODA WASHINGTON-

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# SPFA Antitrust Policy

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*"Our policy is to comply with all federal, state and local laws, including the antitrust laws. It is expected that all company member representatives involved in SPFA activities and SPFA staff will be sensitive to the unique legal issues involving trade associations and, accordingly, will take all measures necessary to comply with U.S. antitrust laws and similar foreign competition laws."*

*It is a per se violation of the federal antitrust laws for competitors to agree on prices, limitation of supplies, allocation of customers or territory, or boycotts. "Per se" means that no legal defense can be used to mitigate this automatic violation.*

*Even an agreement by competitors that is for the good of society and our industry may be a violation of the antitrust laws if it could affect competition.*

*If a topic of antitrust concern is raised at any time during a meeting, note your objection for the record. If the topic continues to be discussed, you should leave the room immediately and contact SPFA's general counsel and your company's attorney for further guidance.*

*Ensure that every SPFA meeting, where members are present, has an agenda, the agenda is followed, and minutes are kept by SPFA staff of the proceedings.*

*Understanding and acting on the requirements of U.S. and foreign antitrust and competition laws sometimes can be difficult. If you have a question about the propriety of activities or discussions in SPFA, you are encouraged immediately to contact your company's legal counsel and SPFA management.*

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# Agenda

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- **Overview Summary**
- **AIM Act**
- **US PFAS landscape**
  - Latest Federal Actions on PFAS
  - U.S. States – 2024 Legislative Overview
  - TFA- trifluoroacetic acid
- **Spray Foam Industry Participation**
- **Q&A**

# WHY SO MUCH ACTIVITY?

**HFC  
Phaseout**

**TWO SEPARATE ISSUES**

**PFAS**

Triggered by AIM ACT which  
requires  
Meeting Global HFC Phasedown  
Obligations (Kigali)



Federal Regulations



State Regulations

Triggered by concerns around  
legacy PFAS ground and water  
contamination and EU restriction  
proposal



Federal Regulations



State Regulations

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**Goal: Monitor, Analyze and Respond**

# AIM ACT- U.S. Federal Update

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# US HFC Phasedown Updates- Spray Foam



- Context:** Under the AIM Act, EPA can “partially, fully, or on a graduated schedule” restrict HFC use in specific sectors and subsectors.
- Finalized Rule:** Restricts HFCs used in refrigeration, aerosols, **foams**, AC, and heat pump products and equipment by setting GWP thresholds for most sectors. Based largely on ~12 petitions EPA granted. Protected 6 sectors in Kigali are excluded.
- Scope:** Applies to **new** products, systems, and components only.
- Transition Dates:**
  - In most cases, manufacture/import/install prohibition begins on **Jan. 1, 2025**,
  - Prohibition of sale, distribution, and export of products begins **three years** after manufacture/import prohibition.

**In October of 2023, EPA finalized a rule to restrict certain HFCs in certain applications using its authority under the AIM Act. Prohibitions largely align or build upon those in SNAP 20/21, adopted by States and CARB.**

## Example Prohibitions Included in Final Rule

End-Use	GWP Limit*	Production & Import Prohibition**	Sales & Export Prohibition**
High Pressure Two Component Spray Foam	150	Jan. 1, 2025	Jan 1, 2028
Low-Pressure Two Component Spray Foam	150	Jan. 1, 2025	Jan 1, 2028
One Component Foam Sealant	150	Jan. 1, 2025	Jan 1, 2028

\*Using AR-4 GWPs, if product isn't listed, use WMO

\*\*Some exclusions apply, including for spray foam used in space vehicles

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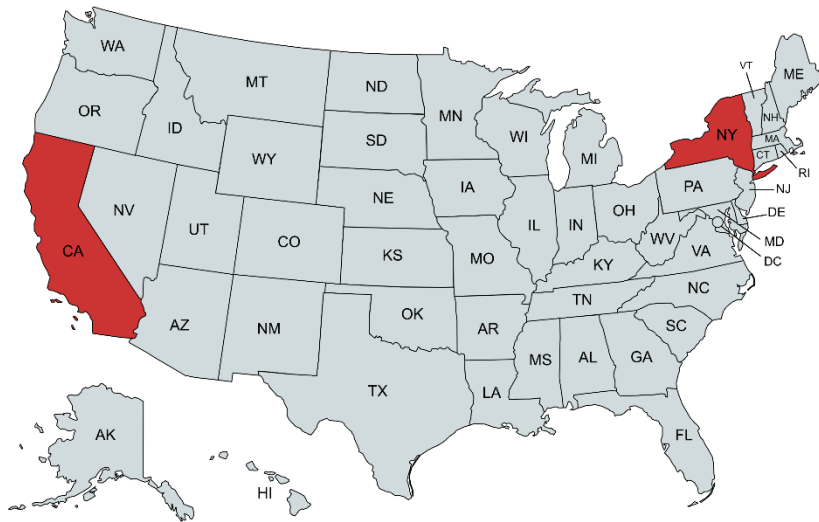
**HFC POLYOL BLEND PRODUCTION STOPPED**



# State HFC Prohibitions in Effect



EPA HFC SNAP transitions are in effect for a variety of foam end uses, **national restrictions** have become effective on **January 1, 2025**



## States considering more stringent HFC phase outs

- **California – In discussion**
- **New York – NYSDEC Part 494 updated rule released Dec 2024**

Ban on HFC/HFO w/ GWP20 > 20	Applicability Date
Foam	2030

*NY rule restricts the use of all HFCs in foams by 2030 but allows the use of all HFOs*

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# NY Regulatory Update

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# Background and Summary



## SPRAY FOAM WIN

### Overview:

- On December 23, 2024, the New York State Department of Environmental Conservation (NYSDEC) finalized new HFC regulations in the state of New York including sector-specific GWP bans, recordkeeping, and reporting (6 NYCRR Part 494, “Hydrofluorocarbon Standards and Reporting.”)
- NY will phase out use of “regulated substances” (HFCs..but also impacts HFO-1233zd) across all major sectors by 2034, with various transition timelines for specific applications to help achieve its greenhouse gas reduction goals

### New York State General Rulemaking Process:



**NY HFC Rule finalized with prohibition dates start 2025 and spanning through 2040**

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**NY rule restricts the use of all HFCs by 2030 but allows the use of all HFOs**



# PFAS U.S. Federal Update

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# OVERVIEW SUMMARY

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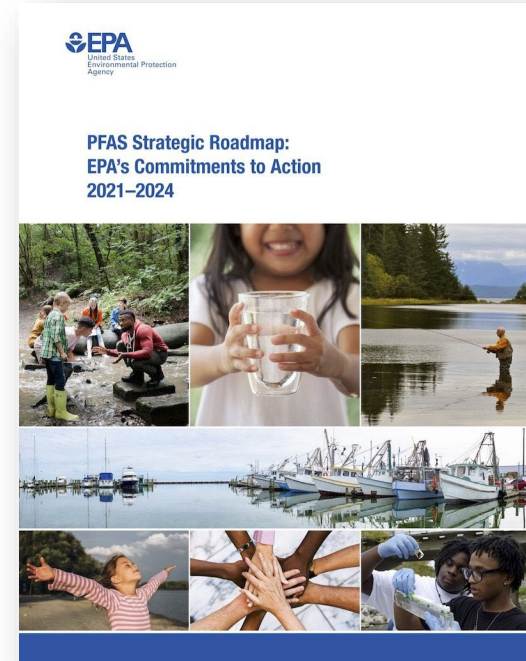
- In 2024, most activity in PFAS space being driven by States
  - Industry advocacy efforts have largely been successful at informing more balanced approaches than broad-based bans, and towards consumer product restrictions + pushed out timelines
- The two U.S. States that have enacted broad PFAS ban legislation – MN and ME - are now working through regulations to define the specifics, such as exemptions
- Industry teamwork promoted success, educating around importance and essentiality of spray foam – *for affordability, health, and skilled workforce!*

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**Significant State PFAS activity will continue in 2025**

# US Federal Update

- **U.S. EPA - PFAS**
- **Working through PFAS roadmap to develop subcategorization of the PFAS class, set drinking water limits for specific PFAS, and research the class in general**
- **EPA general approach appears to be sensible, based on risk and addressing gaps in science before recommending action.**
- **PFAS Rulemaking Action in April 2024: EPA has finalized a rule to establish legally enforceable levels (MCLs) in drinking water for PFAS chemicals of greatest concern.**
  - **Honeywell is supportive of a risk-based approach to managing PFAS.**
  - **HFOs do not share the same properties as the substances included in this rule; The EPA consistently lists HFOs as acceptable and safer alternatives to other, less climate-friendly substances.**
- **U.S. EPA – Significant New Alternatives Policy (SNAP) Program**
- **EPA SNAP 26 guidance published last week; lists HFOs as acceptable substitutes across various applications**



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**EPA continues to move through its PFAS Roadmap;  
Congressional action largely steady**



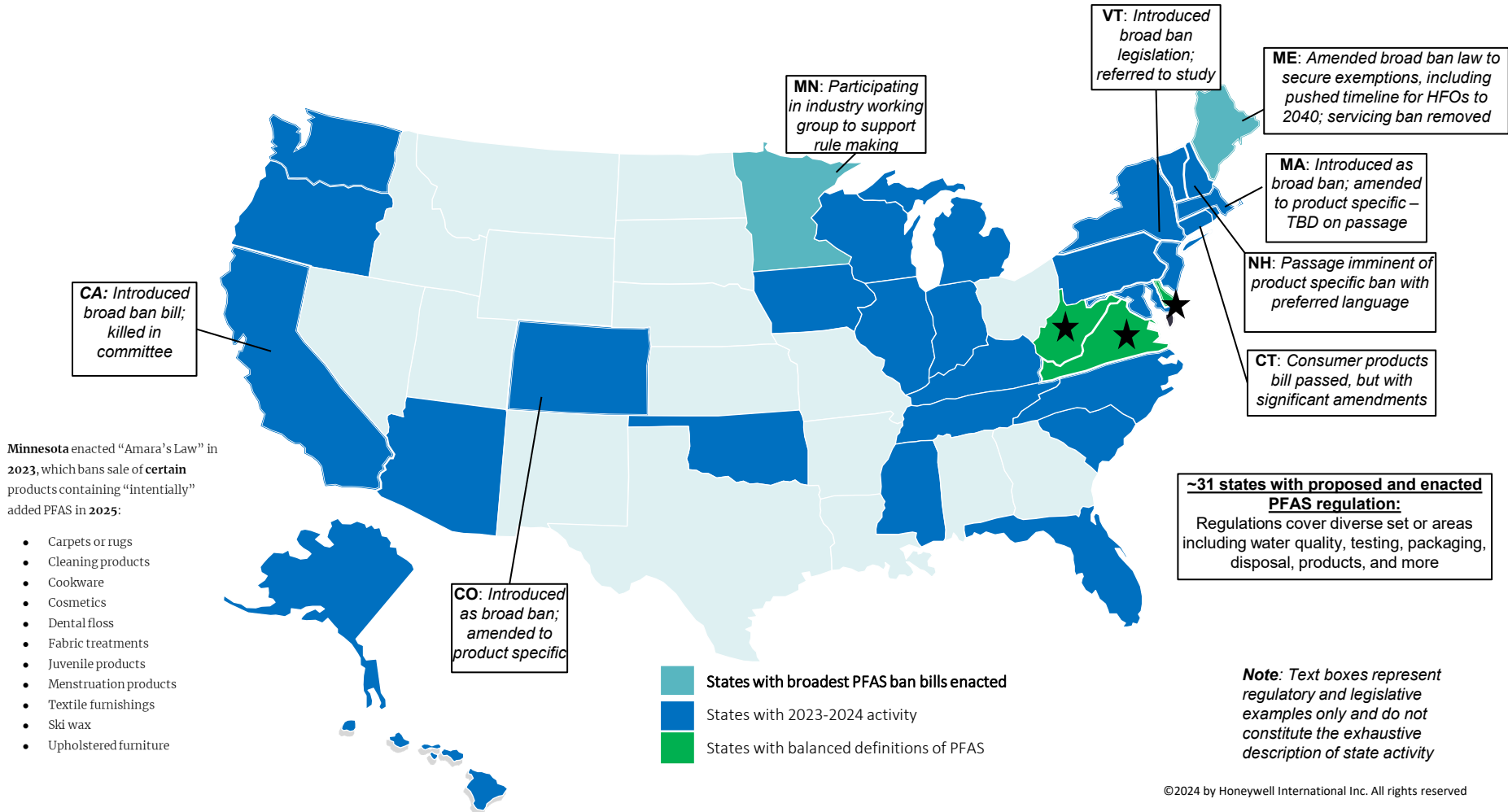
# **PFAS**

# **2024**

# **State Legislative Recap and Regulatory Update**

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# 2024 State PFAS Activity



State Bills Are Numerous and Diverse

# California PFAs Update: SB 903 (Skinner)

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- California Senate Bill 903 would have banned sales of products and items containing PFAS
- Everyday uses impacted would have included refrigerants (heat pumps, AC units, supermarkets), insulation, and countless other products
- SB 903 would have increased costs for businesses and for consumers in California
- SB 903 died in Senate Appropriations Committee

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**SB903 Defeated in 2024 Legislative Cycle**



# Sb 903: Defeated in CA (for now)

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- Effective targeted lobbying efforts, coordination with CalChamber and allied coalition partners
- Broad coalition opposition and unified messaging
  - Jobs Killer
  - Housing Killer
  - Manufacturing Breaker
- Economic impact across numerous industries, and a high cost of implementation (in a State with large budget deficit – May Revise release)

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**SB903 Defeated in 2024 Legislative Cycle**

# What Worked: Broad, Diverse Coalition



**NFIB**

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**SB903 Defeated in 2024 Legislative Cycle**

**SPFA**  
SPRAY POLYURETHANE FOAM ALLIANCE

# Sb903 Likely To Resurface This Year

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- While bill sponsor (Senator Skinner) now termed out, the bill will likely resurface next session with a new author
- We will need our customers continued help to move harmful legislation towards more balanced, risk-based approaches
- Remember to register for policy alerts to stay involved
- Honeywell will call upon our customers to take action on key bills

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**WE WILL KEEP OUR CUSTOMERS UPDATED WITH CALLS TO ACTION**



# TFA Update

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# What is TFA?

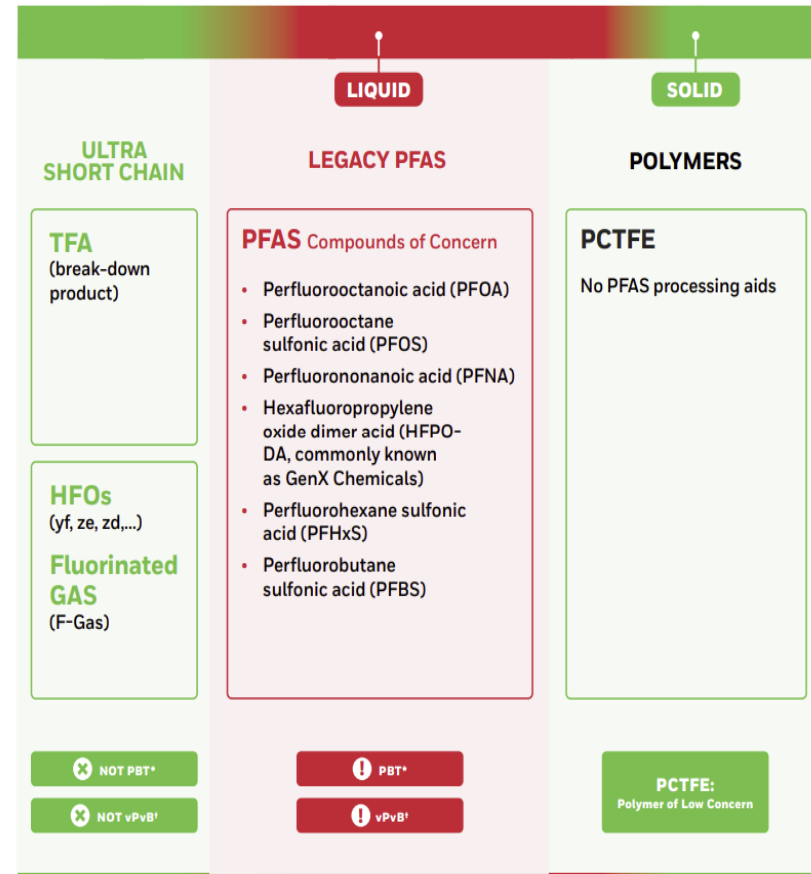
TFA stands for trifluoroacetic acid - the fluorinated equivalent of acetic acid found in vinegar.

It is a substance that has always been present in our environment, with evidence suggesting that the majority of TFA measured in the oceans must be of natural origin.

TFA can be formed by use of agricultural pesticides and herbicides, incinerators, pharmaceutical by-products and a breakdown product of HFOs/HFCs.

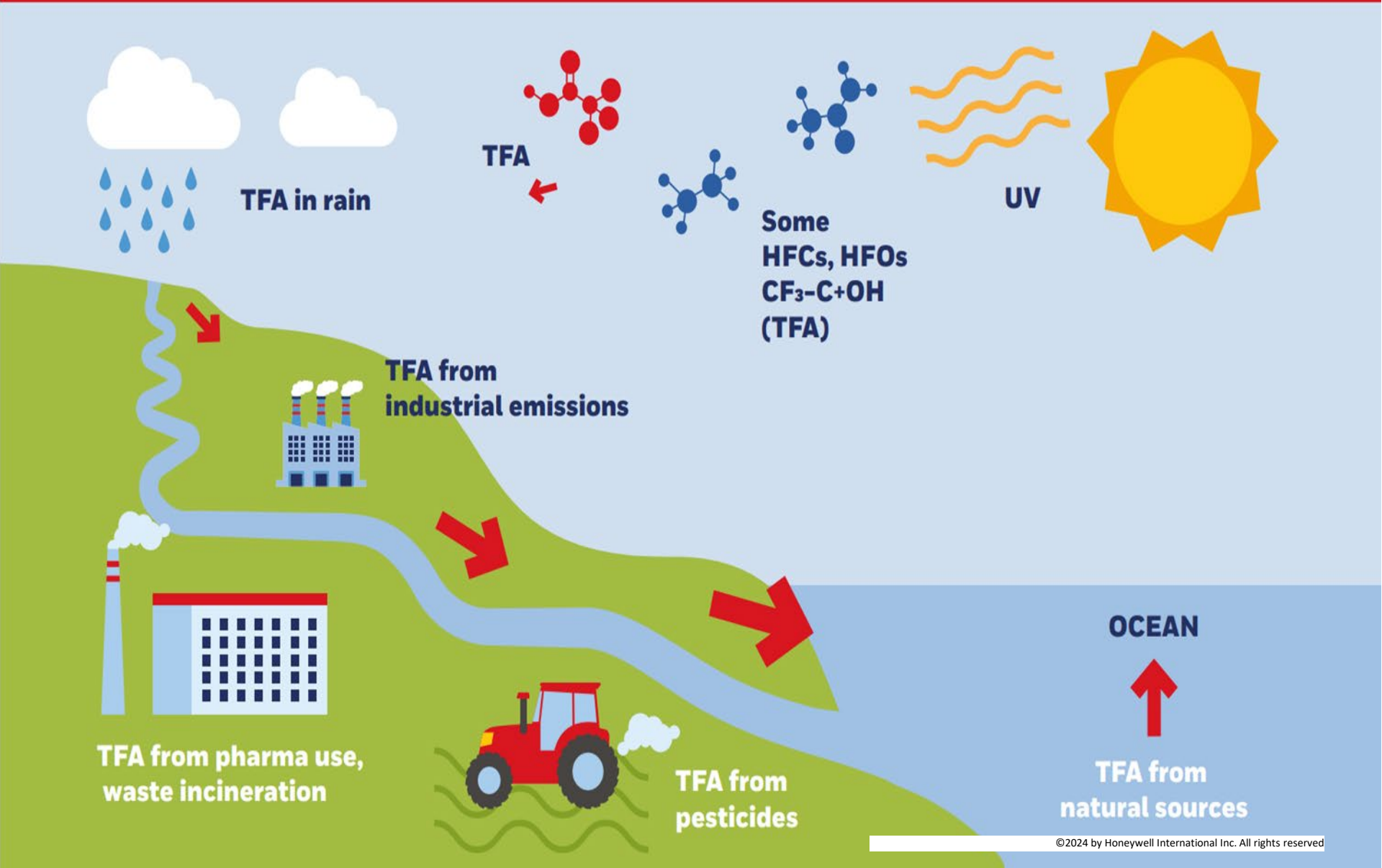
*“Based on current information, EPA does not consider the overall risk [of TFA] to human health and the environment due to listings in this final rule to be significantly greater than other potentially available substitutes for the same uses.”*

**- U.S. EPA SNAP 25 RULE**



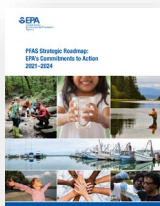
**A DECADE+ OF STUDIES CONCLUDE THAT TFA DOES NOT PRESENT A RISK TO HUMAN HEALTH OR THE ENVIRONMENT**

# HOW IS TFA FORMED AND WHERE DOES IT GO?



# Experts Agree, TFA is Safe for Human and Environmental Health

## U.S. EPA Strategic PFAS Roadmap



Per the U.S. EPA's 2021 PFAS Strategic Roadmap, "trifluoroacetic acid (TFA) is a well-studied non-PFAS."

- Identification of Candidate Per- and Poly-fluoroalkyl Substances (PFAS) for Testing October 2021, U.S. Environmental Protection Agency, available at National PFAS Testing Strategy, [www.epa.gov](http://www.epa.gov)

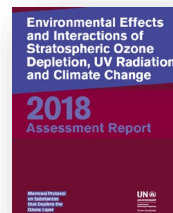
## U.S. EPA SNAP Program



**"Based on current information, EPA does not consider the overall risk to human health and the environment due to listings in this final rule to be significantly greater than other potentially available substitutes for the same uses."**

- Protection of Stratospheric Ozone: Listing of Substitutes Under the Significant New Alternatives Policy Program in Refrigeration, Air Conditioning, and Fire Suppression. US Environmental Protection Agency. [https://www.epa.gov/system/files/documents/2023-04/SAN%206399\\_Final%20SNAP%20Rule%2025\\_signed%20pre-publication.pdf](https://www.epa.gov/system/files/documents/2023-04/SAN%206399_Final%20SNAP%20Rule%2025_signed%20pre-publication.pdf)

## EEAP

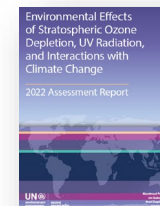


Every year since 2014, The Environmental Effects Assessment Panel (EEAP) of the Montreal Protocol (EEAP) has consistently concluded that TFA linked to HFC/HFO emissions does not pose risks to human health or the environment.

**"TFA has biological properties that differ significantly from the longer chain PFAS and inclusion of TFA in this larger group of chemicals for regulation would be inconsistent with the risk assessment of TFA"**

- EEAP 2022 Assessment Report, published March 2023: [Environmental Effects of Stratospheric Ozone Depletion, UV Radiation, and Interactions with Climate Change](https://ozone.unep.org/sites/default/files/2019-04/EEAP_assessmentreport-2018%20%282%29.pdf)

## UNEP



**TFA has been present in our environment for thousands of years with no indication of impact on human health.**

. UNEP; Feb 2016; Sources, Fates, Toxicity, and Risks of Trifluoroacetic Acid and Its Salts: Relevance to Substances Regulated Under the Montreal and Kyoto Protocols

- Effects and Interactions of Stratospheric Ozone Depletion, UV Radiation, and Climate Change: 2018 Assessment Report, [https://ozone.unep.org/sites/default/files/2019-04/EEAP\\_assessmentreport-2018%20%282%29.pdf](https://ozone.unep.org/sites/default/files/2019-04/EEAP_assessmentreport-2018%20%282%29.pdf)

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# It Is Impossible FOR A PERSON TO drink ENOUGH WATER TO be harmed by TFA

The amount of water you would have to drink in a single setting to experience risk is **740 GALLONS**

TFA is non-bioaccumulative and passes through the body via excretion (urine)

There is **no risk - even over a lifetime** consumption of water.

67oz



Volume of water a normal person drinks in one day

540oz



The maximum volume of water a person can safely drink in one day. Drinking too much water can lead to water intoxication.

94,679oz



Volume of water human could drink every day without experience any adverse effects from TFA\*

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\*Based upon the Derived No Effect Level (DNEL) – scientifically defined as the safe exposure level, as determined under the EU REACH regulation



# Conclusions

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## 1 Studies demonstrate TFA does not pose a risk to human health

- Due to the enormous and impossible amount of drinking water a person would need to drink to experience any effects.

## 2 TFA concentration in the environment is very low and unlikely to significantly increase

- Studies clearly demonstrate that TFA levels in freshwater levels reach a stable condition.

## 3 HFOs are not the largest driver of TFA in the environment

- The German Environment Agency (UBA) has recently acknowledged this.

## 4 HFOs play a critical role in boosting energy efficiency and long-term cost-savings

- They are a safe, are low GWP, offer low energy consumption, are used in critical applications and work where alternatives are not available.

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**PER THE US EPA: “TFA IS A WELL-STUDIED NON-PFAS” and “HFOs PROVIDE A SAFE SOLUTION”**

# Spray Foam Industry Participation

# Advocacy for the Spray Foam Industry

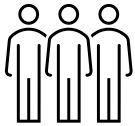
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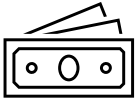
- Engage Regulators & Policymakers:** Our industry is a job creator, with countless owners and operators in every state!
- Commitment to Community:** Share our industry's ongoing investment in jobs, continuous training, equipment, and local communities
- Advocacy in Action:** Ensure spray foam entrepreneurs, contractors, and other small businesses are seen and heard – tell your stories, write letters!
- Risk-Based PFAS Regulation:** Advocate for a shift towards risk-based regulatory actions for PFAS to **PROTECT SPRAY FOAM JOBS!**

WE WILL KEEP OUR CUSTOMERS UPDATED WITH CALLS TO ACTION

# Why Advocate for the Spray Foam Industry?



- Spray foam industry contributes significantly to the economy, creates countless good-paying, skill building jobs



- Spray foams keep energy bills low and provide long-term cost savings to households



- Spray foam helps keep households healthy, keeping illness-causing molds and allergens out



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WE WILL KEEP OUR CUSTOMERS UPDATED WITH CALLS TO ACTION

# HOW CAN You GET INVOLVED?

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- Respond to Honeywell and SPFA policy alerts and Calls to Action
  - **Share a video or written testimonial**
  - Join the opposition effort on key bills
  - Newspaper Op-Ed / Letter to the editor
  - Email your Legislator
  - Share social media posts
- Become a member of your local and state Chamber, Business Roundtable and other local business trade groups
- Register for policy alerts with your state
- Get involved in local, community-based organizations that support
  - Housing
  - Public Health
  - Women in Trade Jobs
  - STEaM and Trade Skills Education
- Have a booth and/or presence at trade shows and/or your local state/county fair or parade

# https://votervoice.net/SprayFoam/Register



## Enter Your Info

### Your Information

First Name *	Last Name *
Email *	

Yes, sign me up to receive text alerts

By providing your mobile number, you agree to receive periodic call to action text messages from Spray Polyurethane Foam Alliance. Message and data rates may apply. Reply HELP for help. Reply STOP to unsubscribe. Message frequency varies. [Privacy Policy](#)

Mobile Number
---------------

### Home Information

Street Address *	
ZIP Code *	Enter Zip for <b>City</b> and <b>State</b>

Yes, sign me up to receive email updates and action alerts from Spray Polyurethane Foam Alliance

Remember me

Save

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# Questions on your state ??

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**Rhoda Washington**

*Director, State and Local  
Government Relations*

Q&A session following this session if you  
have questions:

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Or stop by the Honeywell Booth 511

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