

Staying Ahead of 2025 PFAS Risks

Insights from 2 million+ PFAS declarations to address reporting deadlines, parts obsolescence, redesigns, and disruption risks.

PFAS management is a race against the clock . . . but it's more like a relay-style obstacle course with your suppliers than the 400-meter dash. Without the right teammates, you're not going to make it to the finish line.

Assent has **collected more than 2 million PFAS declarations** to measure the impact of PFAS in global supply chains and learn what makes an effective PFAS reporting program. We work with manufacturers across global supply chains to share data, promote transparency, and support their product compliance efforts.

Here's what the data reveals.¹



Manufacturers are past the point of no return.

By now you should have a PFAS program actively collecting supplier data. There are fewer than 150 days before the first of several major PFAS deadlines come into effect, and it seems like deadlines can shift without much notice. If you're still idling at the starting line, it's no longer realistic to hit your regulatory deadlines without some serious help.

1 Findings taken from ongoing supply chain engagement by Assent across multiple industry sectors, from October 2023 to August 2024. Information in this document is statistically representative of the durable goods manufacturing industry, but subject to change as data collection continues.

Prepare for PFAS Risks

The coming year is riddled with obstacles and hurdles. You need expert guidance to sidestep the risks standing in your way.



Data Quality Challenges

Only **31%** of manufacturers said they are highly confident in the quality and accuracy of their organization's supply chain data.²

3M Phasing Out PFAS by 2025

Approximately **22,000** 3M products are being reformulated or discontinued in the coming months.³

75% of declarations with PFAS are for substances in products on the 3M discontinuation list.

Steep Non-Compliance Fines

TSCA penalties: Civil penalties up to **\$37,500 USD** per violation and criminal penalties up to **\$50,000 USD**, and/or imprisonment.

Fines across numerous U.S. states — like **\$30,000 USD** per violation in Minnesota.

Canadian fines: Up to **\$500,000 CAD** for large corporations and up to **\$25,000 CAD** for individuals.⁴

Supply Chain Disruptions

Disrupted access to components like gaskets or seals can jeopardize machinery operation and maintenance.

More than **90,000 parts** are confirmed to contain PFAS. Expect a scramble for PFAS-free part alternatives, including potential price hikes and scarcity.

Legal Liability

61% of manufacturers surveyed said legal consequences were their top PFAS concern.⁵

6,400+ PFAS-related lawsuits filed since 2005.⁶

2 PFAS added as hazardous substances under the U.S. Superfund in 2024.

PFAS settlements exceeded **\$10 billion USD** in 2023.⁷

PFAS Costs Are Unsustainable/Risky Business⁸

Category	Revenue/Cost (\$)
Global annual PFAS revenue	~\$4,000,000,000
P&C insurance 2021 net revenue (U.S. only)	~\$35,000,000,000
Chemical industry revenue	~\$77,000,000,000
PFAS annual societal cost	\$16,000,000,000,000

The total cost of PFAS is **400x** the revenue of PFAS manufacturing, and that means manufacturers outside the chemical industry using PFAS will have to help cover the costs of remediation and lawsuits. PFAS costs far outweigh the reward, and this will drive parts obsolescence as manufacturers exit this risky business following 3M's lead.

Annual total societal cost of PFAS (clean-up, health impacts): ~\$16 trillion USD

Annual PFAS-based revenue from the chemical industry: ~\$4 billion USD

Annual revenue for the insurance industry from chemical-related policies: ~\$35 billion USD

5 Assent. (2024, April 25). Spotlight on Risk: Defend Against PFAS Liabilities. <https://www.assent.com/resources/webinar/spotlight-on-risk-defend-against-pfas-liabilities>

6 Wallender, A. (2022, May 23). Companies Face Billions in Damages as PFAS Lawsuits Flood Courts. Bloomberg. <https://news.bloomberglaw.com/pfas-project/companies-face-billions-in-damages-as-pfas-lawsuits-flood-courts>

7 3M. (2024, April 11). 3M Settlement with Public Water Suppliers to Address PFAS in Drinking Water Receives Final Court Approval. <https://investors.3m.com/news-events/press-releases/detail/1836/3m-settlement-with-public-water-suppliers-to-address-pfas>

8 ChemSec. (2023, May 25). The top 12 PFAS producers in the world and the staggering societal costs of PFAS pollution. <https://chemsec.org/reports/the-top-12-pfas-producers-in-the-world-and-the-staggering-societal-costs-of-pfas-pollution>

Faster, Better PFAS Management: Best Practices Backed by Data

Here's what you need to know, based on tips from Assent's experts and insights from our extensive PFAS database.

The Top Six PFAS

Polytetrafluoroethylene (PTFE)

► Valves, o-rings, insulated wiring, tubing

1,1-Difluoretylen-hexafluorpropenpolymer (PVDF)

► Piping, sheet, and internal coatings

3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl methacrylate

► Surface coatings, paints, textile treatments, adhesives

Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate (PFBS salt)

► Corrosion-resistant paints and coatings, and metal processing

Perfluoroethylene propylene copolymer

► Wire and cable insulation, pipe linings, filtration screening, mist separators

Ammonium pentadecafluorooctanoate (APFO) (PFOA salt)

► Industrial surfactant used in the manufacture of fluoropolymers

Assume You Use PFAS

77% of participating manufacturers have already identified one or more PFAS in their parts. It's extremely likely you have PFAS in your supply chain — it's just a matter of finding it in time.

63% of all declared PFAS exceedances included **one or more** of these substances, and many parts contain more than one PFAS. If you're using any of these, you're at risk.

Build the Right Team

Suppliers	Procurement	Compliance	Product Design & Engineering	Investors & Insurers
Reach out to your suppliers ASAP. They need time to prepare too.	Share PFAS declarations so they can identify PFAS-free alternatives or last-time buys.	Needs accurate, timely PFAS data to complete threshold determinations and compile reports.	Need data on PFAS in parts so they can redesign or recertify products.	Be transparent about PFAS to demonstrate you're a low-risk investment.
Educate suppliers on PFAS and give them a secure portal where they can submit declarations.	Eliminate data silos between departments to enable cross-functional decision-making.	Regulatory monitoring support for PFAS requirements under REACH, EU POPs, TSCA, and U.S. state bans.	Give as much lead time as possible to avoid market access disruption.	Document your PFAS due diligence and reduction efforts.

Let Technology Do the Heavy Lifting

There's too much data to collect manually, and locating it can be like finding a needle in a haystack. The EPA PFAS list covers **17,000+** substances, but only **~419 unique PFAS have been declared**. Assent automates supplier outreach to speed up due diligence and zero in on the PFAS you're actually using.

2.7% Real-World PFAS

EPA List

Find the Right Coach

PFAS reporting is too complicated to navigate without expert guidance. Assent is the trusted expert in PFAS risk management.

- Assent is **recognized by Verdantix as a leader** in product compliance in their Smart Innovators: Product and Chemical Compliance Solutions report. We received the **top scores in PFAS** and Product Data Aggregation, Cleansing & Tagging categories among 19 other vendors.⁹
- 250+** manufacturers trust Assent's PFAS solution to help them report on PFAS in less time and with less effort

9 Verdantix. (2023, November). Smart Innovators: Product and Chemical Compliance Solutions. <https://www.assent.com/resources/study/verdantix-asset-leading-product-compliance-pfas-solution-provider>

“Our culture of proactive compliance definitely benefits the bottom line, which is what we need to prioritize. If we're not making money, we're not in business.”

—Deputy General Counsel & Chief Compliance Officer at Ryerson

Make the Impossible Possible With Assent

It's do or die time. On its own, your organization likely isn't ready to tackle this challenge. But Assent is ready, and we're here to help you and your suppliers reach the finish line. Assent delivers world-class regulatory expertise and an advanced supply chain sustainability platform to improve your PFAS program's efficiency.

Put our expertise, experience, and data to work for your team.

Schedule your solution demo today ➔

