

# Recyclability: Research, Regulation and Risk

---

Presented by:  
Christopher W. Smith ('Smitty'), Partner, Saul Ewing  
Jonathan Havens, Partner, Saul Ewing  
Christopher White, Senior Managing Scientist, Ramboll

March 31, 2026

© Copyright 2026 Saul Ewing LLP



1

## Our Speakers



**Christopher W. Smith  
(Smitty)**  
Partner  
Saul Ewing LLP



**Jonathan Havens**  
Partner  
Saul Ewing LLP



**Christopher White**  
Senior Managing  
Scientist  
Ramboll

© Copyright 2026 Saul Ewing LLP



2

# Recyclability: Research, Regulation and Risk

## Research

© Copyright 2026 Saul Ewing LLP

SAUL EWING  
LLP

3

## What is Plastic?



- Kindergarteners at play move according to their own rhythms; there are always several that are listening to a unique beat.
- At the end of recess, they all hold hands. This causes changes in the behavior.
- The behavior of the long chains of children is different than individuals.

Polymers/Plastics often pose lower ecotoxicity risks than the individual monomers from which they are synthesized  
Example: Styrene versus Polystyrene

© Copyright 2026 Saul Ewing LLP

SAUL EWING  
LLP

4

4

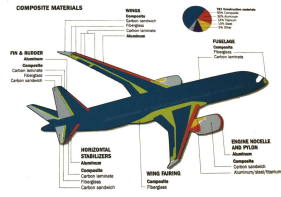
# All Plastic is Long Chains of Repeating Units

How these long chains interact with each other gives rise to the unique properties

Stiff chains:  
Polymer  
composites -  
Airplanes



Polymer composites



**RAMBOLL** Bright ideas. Sustainable change.

Cooked oiled pasta



Not oiled pasta,  
solid mass



Chains slide against each other stretch, don't break - Trash bags can stretch to 800%



Rubbery solid networks, like rubber - Tires can withstand huge pressure and still be flexible

5

## Pasta Type, Sauce, and Additions Make the Dish

- Each dish is specifically crafted by the chef to the diner's individual tastes

### TYPES OF PASTA SAUCE

 <b>PESTO</b> Vibrant, green, basil based NOODLE: Farfalle or Rigatoni PASTA WITH: Salmon, red peppers, mozzarella	 <b>MARINARA</b> Simple with tomato chunks NOODLE: Spaghetti or Linguine PASTA WITH: Beef, peppers, garlic, onion	 <b>ALFREDO</b> Rich creamy white sauce NOODLE: Fettuccine or Linguine PASTA WITH: Chicken, mushrooms, white wine
 <b>BOLOGNESE</b> Meat-based and hearty NOODLE: Tagliatelle or Ziti PASTA WITH: Beef, porcini, red wine	 <b>BECAMEL</b> Velvety, made with milk and roux NOODLE: Macaroni or penne PASTA WITH: Sheep, cap, sauce	 <b>ARRABIATA</b> Spicy tomato-based red sauce NOODLE: Penne or Spaghetti PASTA WITH: Pork, porcini, beef, olive
 <b>CARBONARA</b> Rich and creamy, contains egg NOODLE: Linguine or Spaghetti PASTA WITH: Bacon, peas, pancetta	 <b>CACIO E PEPE</b> Creamy with just black pepper NOODLE: Spaghetti or Gnocchi PASTA WITH: Corn, salmon, anchovy, olive	 <b>POMODORO</b> Thick and smooth tomato based NOODLE: Fettuccine or Linguine PASTA WITH: Chicken, mushrooms, white wine

6

**SAUL EWING**

LLP

6

## Modern Plastics are Not Only Polymers

- In addition to the polymer, a whole library of >13,000 functional additives give additional functionality to plastic formulations
- Examples of properties given to plastic by additives include:

Additive Type	Function / Property Added
Flame retardants	Reduce flammability by slowing ignition and flame spread
UV stabilizers	Prevent sunlight-driven degradation and fading
Antioxidants	Protect against thermal and oxidative breakdown
Plasticizers	Increase flexibility and softness
Colorants (pigments & dyes)	Provide stable, uniform color
Fillers (e.g., talc, calcium carbonate)	Improve stiffness, reduce cost, enhance heat resistance
Impact modifiers	Increase toughness and resistance to cracking
Antimicrobials	Inhibit bacterial and fungal growth
Antistatic agents	Reduce static charge buildup
Foaming agents	Create lightweight, insulating cellular structures

© Copyright 2026 Saul Ewing LLP

**SAUL EWING**  
LLP

7

## Plastic Design has Been Focused on the Needs of the Primary Consumer



The result of polymer and functional additives is the wide diversity of high-performance plastic formulations in virtually every corner of the economy

© Copyright 2026 Saul Ewing LLP

Balance competing demands:

- Toughness, impact resistance, modulus, high use temperature, fatigue resistance, elasticity, strength, rheology, tack, adhesion, durability, foaming
- Properties are evaluated using standardized tests
- Always focused on cost

8

## Plastic is Often the Most Efficient Choice

Other Materials: Aluminum, glass, steel, ceramics - all are made with fire  
 Plastic is created with a catalyst - much lower energy

For a cold beverage, a PET bottle has a 40x smaller carbon budget than the equivalent packaged in glass

- Lower weight
- Lower embodied energy of production

Glass containers are mainly for alcohol

- Lower permeability to O<sub>2</sub> and CO<sub>2</sub>

Material	Energy saved by recycling MJ/kg
Aluminum	207
PET (soda bottles)	87
HDPE (milk bottles)	60
Glass	10
Steel	46

**RAMBOLL** Bright ideas. Sustainable change.



Plastics packaging for the food and beverage industries: A case study in changing attitudes | IHS Markit

Rubens Camaratta, Tiago Moreno Volkmer, Alice Gonçalves Osorio, Embodied energy in beverage packaging, Journal of Environmental Management, Volume 260, 2020, 110172, ISSN 0301-4797, <https://doi.org/10.1016/j.jenvman.2020.110172>.



Plastics packaging for the food and beverage industries: A case study in changing attitudes | IHS Markit

9

## Modern Lifestyle Requires Plastic Use

- Materials that are elastic, lightweight, tough, strong, durable, adhesive, inexpensive
- Properties can be tuned to meet specific performance properties

Think about:

- Light weighting of vehicles: plastic airframes A350, 787
- Electrical safety, data cables: wire insulation is plastic
- Electronics, computers
- Hygiene, medical sterilization
- Food and water safety
- Sealing a building to provide “inside” and controlled environment

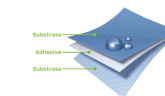


Photo by Jeremy Bishop on Unsplash  
<https://www.thomasnet.com/insights/single-use-plastic-scolding-teaches-the-medical-industry>

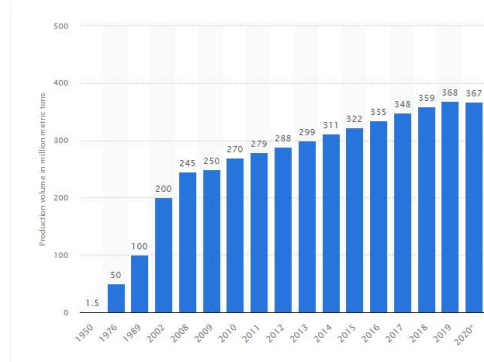
© Copyright 2026 Saul Ewing LLP

**SAUL EWING**  
LLP

10

# Plastic is Widely Produced, with Annual Production Exceeding 400MMT in 2026

Annual production of plastics worldwide from 1950 to 2020 (in million metric tons)



• Global plastic production 1950-2020 | Statista

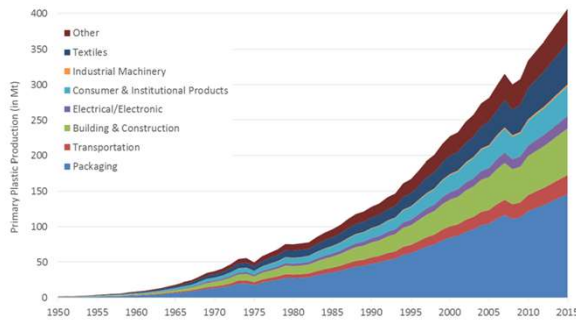
**SAUL EWING**

© Copyright 2026 Saul Ewing LLP

LLP

11

## This Plastic Production is Focused Around Several Major Sectors:



© Copyright 2026 Saul Ewing LLP

- Packaging
- Building and Construction
- Transportation
- Electrical
- Textiles

12

**1970s  
Environmental  
Concerns included  
Plastic Waste**



<https://youtube/8Suu84khNGY>

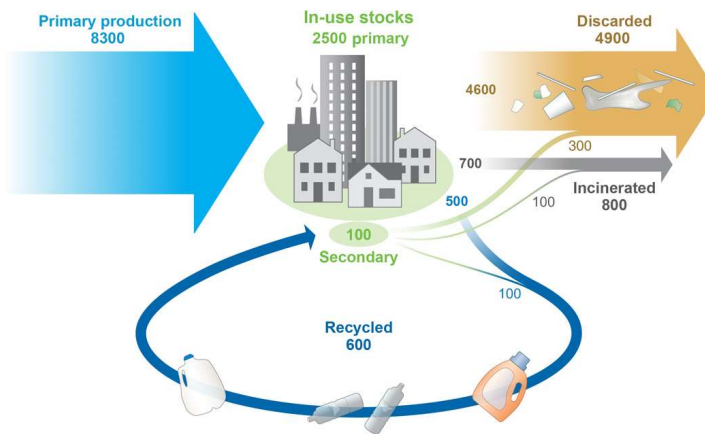
- Earth Day, Smog, Plastic Waste, Silent Spring, Cuyahoga River Fire
  - The creation of the recycling “chasing arrows” on plastic packaging
  - Municipalities created and paid for separate collection of recyclable materials
- The consumer or the municipality paid to create universal curbside recycling of materials including some plastic waste
- This condition persisted for 50+ years

**SAUL EWING**

LLP

13

**Global Production, Use, and Fate of Polymer Resins, Synthetic Fibers, and Additives (1950 to 2015; in million metric tons)**



Roland Geyer et al. Sci Adv 2017;3:e1700782

Copyright © 2017 The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works. Distributed under a Creative Commons Attribution NonCommercial License 4.0 (CC BY-NC).

ScienceAdvances

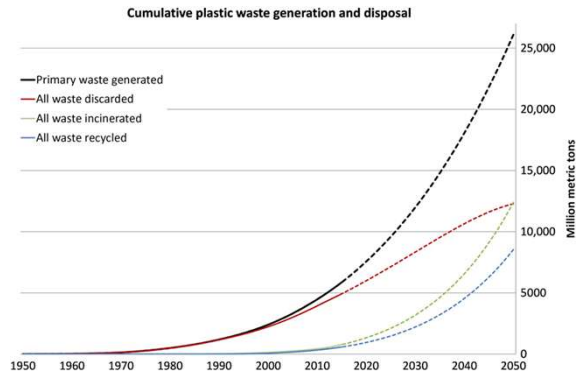
**SAUL EWING**

LLP

© Copyright 2026 Saul Ewing LLP

14

# Accumulating Plastic Waste is Projected to Increase



Copyright © 2017 The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works. Distributed under a Creative Commons Attribution NonCommercial License 4.0 (CC BY-NC).

© Copyright 2026 Saul Ewing LLP

The total amount of discarded plastic waste is projected to increase, even accounting for increases in recycling and incineration

15

## Long Held Fundamental Assumptions for Plastic Producers are Changing

1. Traditional focus is delivering performance for the customer
2. We are free to use any formulation or additive that increases performance
3. The additives will remain within the plastic
4. We sell the contents and the container
5. Post-Use is the responsibility of the consumer and municipality, not the producer

Our Disposable Planet: How Trillions Of Tons Of Waste Endangers Us All, Forbes, Dec 6, 2024

Microplastics are in our bodies. Here's why we don't know the health risks, Science News

...th for plastic pollution  
 Oceans littered with 171 trillion plastic pieces, BBC

Earth faces plastic pollution disaster unless we take drastic action, New Scientist

© Copyright 2026 Saul Ewing LLP

**SAUL EWING**

LLP

16

**2021: Survey of US and UK Perceptions on Plastic Packaging Revealed Negative Views of Single Use Plastic Packaging**



- **88% of U.S. and U.K. consumers** want brands to help them be more environmentally friendly in their daily lives<sup>1</sup>



- More than 80% of survey participants said they felt it was "important or extremely important" for companies to design **environmentally conscious products**.<sup>2</sup>
- Given nine industries to select from, 1 in 4 respondents said they felt the **chemical industry is the least concerned about the environment**.
- 77% of respondents said **plastic was the least environmentally responsible type of packaging** (Paper was deemed the most environmentally safe material.)

1. Blake Morgan, Customers Hate Plastic Packaging. So why Do Companies Keep Using It? Forbes, April 19, 2021  
 2. <https://www.businessnewsdaily.com/15087-consumers-want-sustainable-products.html>

© Copyright 2026 Saul Ewing LLP

**SAUL EWING**

LLP

17

## New Reality for Plastic

- Responsible for the entire lifetime
- Responsible for all the components of the plastic formulation
  - Responsible for all the actions, additives, of your supply chain
- There are FEES/COSTS associated with post consumer outcome
- Consumer sentiment can change your business reality in a moment
  - Redlining of a component or additive
  - Demand for changing composition and performance objectives

What are post-consumer options for plastic?

**Perception is Important:**

This New Reality is an opportunity to differentiate your products, company, and brands to produce higher margins

**It requires:**

- Funding/Risk
- New thinking, new solutions
- New formulations to meet new challenges

© Copyright 2026 Saul Ewing LLP

18



**Estimated Volume of Plastic Waste: 350MMT/Yr in 2025**

Three options for post-use plastic:

- Mechanical recycling -50 MMT
- Chemical recycling- 3 MMT
- Degradation - <1MMT

19



## Mechanical Recycling:

Collected plastic is sorted, and melt reprocessed to produce a new plastic product. This often involves a combination of different plastics.

- **Advantages:**
  - 90% of plastic recycling, developed infrastructure
    - 55 M Tons/yr by 2030
  - Requires less energy
  - Value is improved with effective sorting and closed loop collection
- **Challenges:**
  - Compatability
  - Degradation of properties
  - Contamination
  - Additives

**100% Recycled Plastic Bottles (excluding cap and label) in the U.S.**

Coca Cola North America has transitioned a selection of plastic bottles across the portfolio to 100% recycled plastic (excluding cap and label). The introduction of bottles made from 100% recycled plastic\* advance the company's ambitions to reduce virgin packaging and offer sustainable solutions at scale.

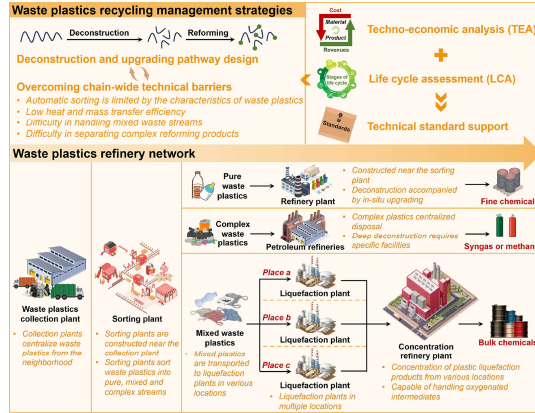
© Copyright 2026 Saul Ewing LLP

**SAUL EWING**  
LLP

20

# Chemical Recycling:

- Conversion of Plastic Waste into small molecules using deconstruction and then repolymerization
- **Advantages:**
  - Plastic to Plastic, return to original properties
- **Challenges:**
  - Requires considerable energy, low mass transfer
  - Maintains high viscosity not suitable for existing infrastructure
  - Sensitive to contaminants such as halogens and trace metals
  - Oxygenated polymers (Ex: POX, Polyoxetane) cause problems
  - No strong consensus that this technology will be economically or environmentally viable



Cheng et al. Chemical recycling of waste plastics: Current challenges and perspectives, Fundamental Research, 2024, ISSN 2667-3258, <https://doi.org/10.1016/j.fmre.2023.12.023>.

**SAUL EWING**  
LLP

21

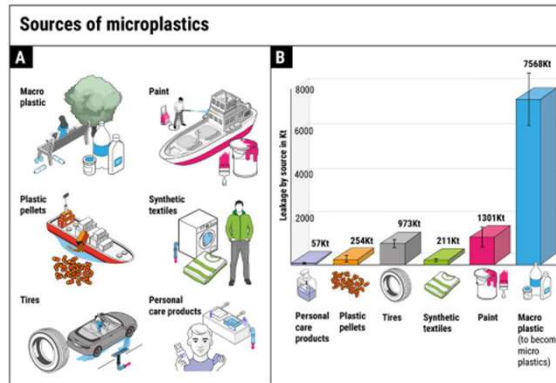
# Another Concern for Plastics: Microplastics

Do the products we create degrade and produce microplastics?

Can reformulation mitigate this possibility?

- Surface oxidation of microplastics
- Fibers
- Mechanical abrasion
- Weathering

Recent publications link negative health outcomes to microplastics



R.C. Thompson et al. Science 10.1126/science.adl2746 (2024)

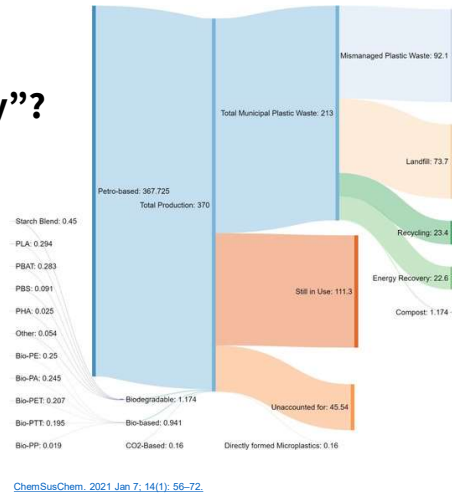
**SAUL EWING**  
LLP

22

## Degradation

### Can Plastic Just “Go Away”?

- Bio-degradable Plastic
  - Bio-based or biodegradable (Plastics) are assimilated by bacteria or fungi to give environmentally friendly products
- More expensive than traditional plastics
- Less experience in developing high-performance formulations
- Niche products
- Not favored by municipalities



© Copyright 2026 Saul Ewing LLP

SAUL EWING

LLP

23

## New Challenge to Formulators: Design for Degradation

- Create Formulations where Design Life = Service Life
  - Design for expected life cycle of the plastic product
    - Packaging should last only long enough to deliver the product
- Minimize the additives that could leach into ecosystem
- Incompatible with recycling
- Design for use, and reuse
  - New tool: additives that actively degrade the plastic after intended use



Banana Peel: “Perfect Package”

- Protects and Delivers the product
  - Just stable enough
  - Upon delivery, begins to rapidly degrade
  - No additional input of energy, non-toxic

© Copyright 2026 Saul Ewing LLP

SAUL EWING

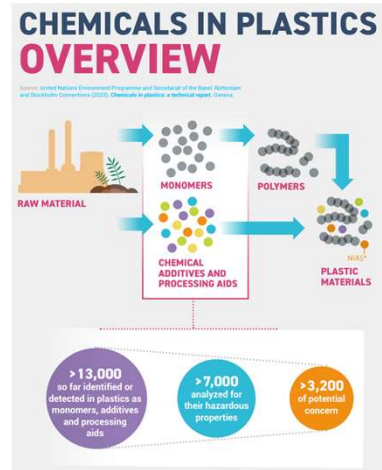
LLP

24

## Additives: A Potential Source of Emerging Contaminants

- Currently 13k additives
- There are >7k for which hazards are known, ~5k are unknown
- There are >3.2k that are a potential Chemical of Concern
- As we create new pathways for our products to be recycled, we need to ask if all the additives are necessary
- Requires new creative thinking on all aspects of our products

In our examples, just one of these additives is enough to create an issue



UNEP, Chemicals in Plastics - A Technical Report, May 03, 2023  
<http://www.unep.org/resources/report/chemicals-in-plastics-technical-report>

SAUL EWING

© Copyright 2026 Saul Ewing LLP

25

## Traditionally, Formulation Problems are Solved by Addition

- A relative is on 30+ medications. Every time we go see a doctor, they add a medication. No one steps back and looks at the whole picture
- Is that the way you solve problems with your formulations?
- For example, do you really need Hindered Amine Light Stabilizers (HALS) in single use plastic?

**Before:** Plastic entombs additives where they are not released  
**Now:** Plastic formulations are temporary, all components are potentially released to environment



© Copyright 2026 Saul Ewing LLP

26

## What Have We Learned?

- Plastic is intentionally designed: Consists of long chains of repeating units and functional additives
- Intentionally designed plastic formulations exhibit a large range of unique high-performance solutions, in every corner of the economy
- The total production of plastic exceeds 400 MMT and is increasing, while less than 10% of these materials are recycled
- The accumulation of post-use plastic is generating negative impressions for plastics
- There are two dominate methods of recycling plastic:
  - Mechanical Recycling – melting and combining plastic ~50MMT/yr
  - Chemical Recycling – degrading the plastic and recreating it ~3 MMT/yr
  - Degrading (bio/chemical) is < 1MMT/yr



© Copyright 2026 Saul Ewing LLP

27

## Recyclability: Research, Regulation and Risk

Regulation

© Copyright 2026 Saul Ewing LLP

SAUL EWING  
LLP

28

## Session Goals

- Understand the federal framework governing recyclability claims
- Review FTC Green Guides and deceptive marketing risk
- Examine emerging state regulation of recyclability labeling
- Identify enforcement trends
- Provide practical compliance strategies for companies

© Copyright 2026 Saul Ewing LLP

SAUL EWING

29

29

## Why Recyclability Claims Are Under Scrutiny

- Increased focus on plastic waste and circular economy
- Consumers rely heavily on recyclability labels
- Many materials labeled recyclable are not widely recycled
- Regulators and plaintiffs' attorneys are increasingly challenging marketing claims
- Growing overlap between environmental policy and consumer protection law

© Copyright 2026 Saul Ewing LLP

SAUL EWING

30

30

## Federal Landscape

- Federal Trade Commission Act (Section 5)
- Prohibits unfair or deceptive acts or practices
- Environmental marketing claims evaluated under deception standards
- FTC Green Guides provide interpretive guidance
- Federal oversight largely focused on advertising and labeling claims

© Copyright 2026 Saul Ewing LLP

SAUL EWING

31

31

## FTC Green Guides – Overview

- First issued in 1992; updated periodically
- Provide guidance on environmental marketing claims
- Address recyclability, recycled content, compostable claims, and more
- Not binding regulations but widely used by regulators and courts
- FTC currently considering updates to the Guides

© Copyright 2026 Saul Ewing LLP

SAUL EWING

32

32

## FTC Guidance on Recyclable Claims

- Unqualified “recyclable” claims may be deceptive
- Claims appropriate only if recycling facilities are available to a substantial majority of consumers
- FTC historically interprets “substantial majority” as ~60%
- If access is limited, claims must be qualified
- Qualifications must clearly communicate limitations

SAUL EWING

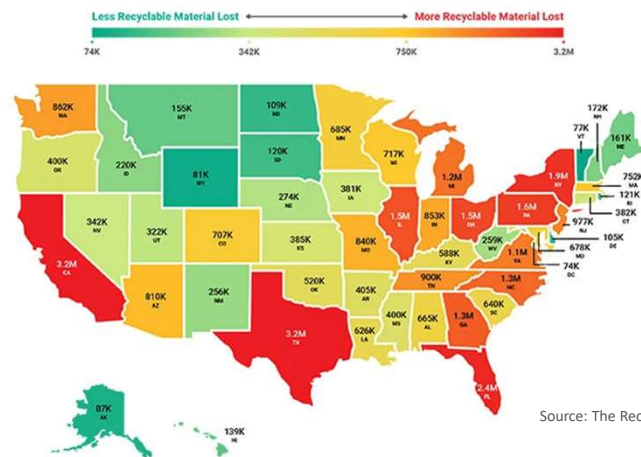
© Copyright 2026 Saul Ewing LLP

33

33

## Gaps in U.S. Recycling Systems

State-by-State Residential Recyclable Material Lost  
(in Tons Per Year)



Source: The Recycling Partnership

SAUL EWING

© Copyright 2026 Saul Ewing LLP

34

34

## Use of the Chasing Arrows Symbol



- Universally recognized recycling symbol
- FTC: symbol can imply recyclability if used on packaging
- Risk when packaging is not widely recyclable
- Resin Identification Codes (RIC) often confused with recyclability
- Regulators increasingly scrutinizing use of the symbol

© Copyright 2026 Saul Ewing LLP

SAUL EWING

35

35

## RICs Don't Equal Recyclability

### What are those numbers?

The resin codes on packaging tell you what kind of plastic it is. You still need to check your local recycling rules to see which types can go in your bin. Here are some examples!



### What they recycle into:

New bottles, clothing, carpet	New bottles, lumber, furniture	Pipes, flooring, siding, binders	New bags, mailers, decking	New jars, bins, buckets, car parts	Picture frames, crown molding	Electronic housing, lumber
-------------------------------	--------------------------------	----------------------------------	----------------------------	------------------------------------	-------------------------------	----------------------------

Now you know.  
#RecycleRight #BuyRecycled



© Copyright 2026 Saul Ewing LLP

SAUL EWING

36

36

## State Regulation is Expanding

- States increasingly regulating recyclability labeling directly
- Some states limiting use of recycling symbols
- Others creating extended producer responsibility (EPR) programs
- Requirements may differ significantly by state
- Companies must monitor a patchwork regulatory landscape

© Copyright 2026 Saul Ewing LLP

SAUL EWING

LLP

37

37

## Example: California Truth in Recycling Law (SB 343)

- Restricts when products can be labeled recyclable
- Requires statewide recyclability determinations
- Managed by California Department of Resources Recycling and Recovery (CalRecycle)
- Products must meet specific collection and sorting thresholds
- Significantly limits recyclability claims for many plastics

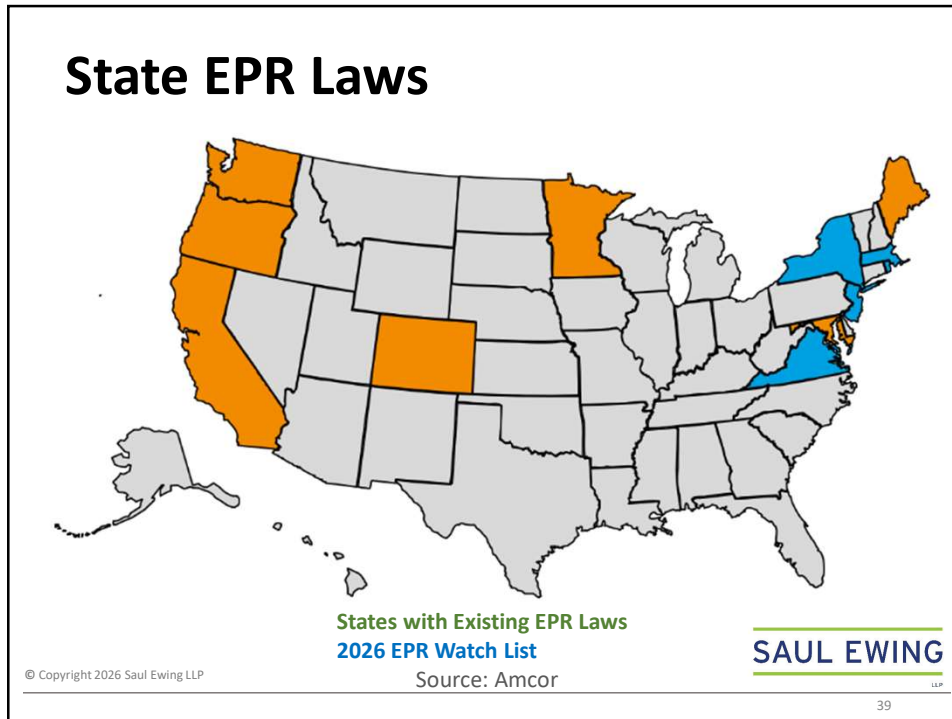
© Copyright 2026 Saul Ewing LLP

SAUL EWING

LLP

38

38



39

## State Labeling Laws (Examples)

- Washington – strict rules on recyclability labeling for packaging
- Oregon – EPR program and recyclability definitions
- Maine – first U.S. packaging EPR law
- Several states studying or proposing similar legislation
- Trend toward standardized labeling frameworks

**SAUL EWING**  
LLP

40

40

## Extended Producer Responsibility (EPR)

- Requires producers to finance or manage recycling systems
- Often includes labeling or recyclability requirements
- Shifts cost burden from municipalities to producers
- Growing rapidly across U.S. states
- Compliance will require significant supply-chain coordination

© Copyright 2026 Saul Ewing LLP

SAUL EWING

LLP

41

41

## A Great Resource!



[What's New in Packaging Policy? Packaging Policy Roundup](#)

© Copyright 2026 Saul Ewing LLP

SAUL EWING

LLP

42

42

## Compliance Considerations for Companies

- Substantiate recyclability claims with current recycling data
- Evaluate claims under FTC Green Guides
- Monitor evolving state laws and EPR programs
- Review use of recycling symbols and RIC codes
- Coordinate marketing, legal, and sustainability teams

© Copyright 2026 Saul Ewing LLP

SAUL EWING

LLP

43

43

## Risk Mitigation Strategies

- Conduct periodic audits of packaging claims
- Track recyclability access across markets
- Use clear qualifying language when necessary
- Implement internal approval processes for environmental claims
- Monitor enforcement trends and litigation

© Copyright 2026 Saul Ewing LLP

SAUL EWING

LLP

44

44

## Key Takeaways

- Recyclability claims are under increasing regulatory scrutiny
- FTC Green Guides remain the core federal framework
- State laws are rapidly reshaping recyclability labeling
- Litigation risk is increasing for companies making broad claims
- Proactive compliance strategies are essential

© Copyright 2026 Saul Ewing LLP

SAUL EWING

LLP

45

45

## Recyclability: Research, Regulation and Risk

Risk

© Copyright 2026 Saul Ewing LLP

SAUL EWING

LLP

46

## Risks Considered—Business & Legal

- Webinar Objective—Cover Ongoing Risks to Businesses from Recycling
- Business Risks—Financial, Operational, & Reputational
- Legal Risks—Regulatory, Contractual, & Litigation
- Mitigating Risks—Coordination, Labeling, & Insurance

© Copyright 2026 Saul Ewing LLP

SAUL EWING

LLP

47

## Business Risks—Financial, Operational, & Reputational

- Financial
- Operational
- Reputational



© Copyright 2026 Saul Ewing LLP

SAUL EWING

LLP

48

## Legal Risks—Regulatory, Contractual, & Litigation

- Regulatory—Compliance & Coordination
- Contractual—Manufacturer, Transporter, Sorter, Supplier, & Franchise
- Litigation—Regulatory, Consumer, & Competitor

© Copyright 2026 Saul Ewing LLP

SAUL EWING  
LLP

49

## Legal Risks—Regulatory



- Compliance
- Coordination

© Copyright 2026 Saul Ewing LLP

SAUL EWING  
LLP

50

## Legal Risks—Contractual

- Manufacturer
- Transporter
- Sorter
- Supplier
- Franchise



© Copyright 2026 Saul Ewing LLP

SAUL EWING  
LLP

51

## Legal Risks—Litigation

- Regulatory—Federal, State, & Local
- Consumer—Class Action & Citizen Suit
- Competitor—Associational & In-Court

© Copyright 2026 Saul Ewing LLP

SAUL EWING  
LLP

52

## Legal Risks—Litigation—Regulatory

- Federal—
  - PACK Act
- State & Local—
  - California
  - Arizona
  - Philadelphia



© Copyright 2026 Saul Ewing LLP

**SAUL EWING**

LLP

53

## Legal Risks—Litigation—Consumer

- Consumer Class Action
- Citizen Suit
- Related Claims
  - Biodegradable
  - Compostable

© Copyright 2026 Saul Ewing LLP

**SAUL EWING**

LLP

54

## Legal Risks—Litigation—Competitor

- Associational—
  - Better Business Bureau, National Advertising Division
  - Bottled Water Association
- In-Court—
  - Moldex-Metric v. Protective Industrial Products

© Copyright 2026 Saul Ewing LLP

SAUL EWING  
LLP

55

## Mitigating Risks—Coordination, Labeling, & Insurance

- Coordination—Responsible End Markets
- Labeling—Federal and State Laws
- Insurance—Litigation Liabilities

© Copyright 2026 Saul Ewing LLP

SAUL EWING  
LLP

56


<p><b>Baltimore</b> 1001 Fleet Street 9<sup>th</sup> Floor Baltimore, MD 21202 T: (410) 332-8600 • F: (410) 332-8862</p>	<p><b>Boston</b> 131 Dartmouth Street Suite 501 Boston, MA 02116 T: (617) 723-3300 • F: (617) 723-4151</p>	<p><b>Chesterbrook</b> 1200 Liberty Ridge Drive Suite 200 Wayne, PA 19087 T: 610.251.5050 • F: (610) 651-5930</p>	<p><b>Chicago</b> 161 North Clark Street Suite 4200 Chicago, IL 60601 T: (312) 876-7100 • F: (312) 876-0288</p>
<p><b>Fort Lauderdale</b> 200 E. Las Olas Blvd. Suite 1000 Fort Lauderdale, FL 33301 T: (954) 713-7600 • F: (954) 713-7700</p>	<p><b>Harrisburg</b> Penn National Insurance Plaza 2 North Second Street, 7<sup>th</sup> Floor Harrisburg, PA 17101 T: (717) 257-7500 • F: (717) 238-4622</p>	<p><b>Los Angeles</b> 1888 Century Park East Suite 1500 Los Angeles, CA 90067 T: (310) 255-6100 • F: (310) 255-6200</p>	<p><b>Miami</b> 701 Brickell Avenue 17<sup>th</sup> Floor Miami, FL 33131 T: (305) 428-4500 • F: (305) 374-4744</p>
<p><b>Minneapolis</b> 33 South Sixth Street Suite 4750 Minneapolis, MN 55402 T: (612) 225-2800 • F: (612) 677-3844</p>	<p><b>New York</b> 1270 Avenue of the Americas Suite 2800 New York, NY 10020 T: (212) 980-7200 • F: (212) 980-7209</p>	<p><b>Newark</b> One Riverfront Plaza 1037 Raymond Blvd., Suite 1520 Newark, NJ 07102 T: (973) 286-6700 • F: (973) 286-6800</p>	<p><b>Orange County</b> 5 Park Plaza Suite 650 Irvine, CA 92614 T: (949) 252-2777 • F: (949) 252-2776</p>
<p><b>Philadelphia</b> 1735 Market Street, Suite 3400 Philadelphia, PA 19103 T: (215) 972-7777 • F: (215) 972-7725</p>	<p><b>Pittsburgh</b> One PPG Place Suite 3010 Pittsburgh, PA 15222 T: (412) 209-2500 • F: (412) 209-2570</p>	<p><b>Princeton</b> 650 College Road East Suite 4000 Princeton, NJ 08540 T: (609) 452-3100 • F: (609) 452-3122</p>	<p><b>Washington, D.C.</b> 1919 Pennsylvania Avenue, N.W. Suite 550 Washington, DC 20006 T: (202) 333-8800 • F: (202) 337-6065</p>
	<p><b>West Palm Beach</b> 515 N. Flagler Drive Suite 1400 West Palm Beach, FL 33401 T: (561) 833-9800 • F: (561) 655-5551</p>	<p><b>Wilmington</b> 1201 North Market Street Suite 2300 • P.O. Box 1266 Wilmington, DE 19899 T: (302) 421-6800 • F: (302) 421-6813</p>	

**SAUL EWING**  
LLP

© Copyright 2026 Saul Ewing LLP

57

## Open Camera, Use QR Code for CLE Attendance Verification



An email confirmation will be sent to you upon receipt of your completed form

If you can't access the QR Code please use link for CLE attendance verification:

[https://ceuinstitute.formstack.com/forms/3\\_31\\_2026\\_saul\\_ewing\\_recyclability\\_research\\_regulation\\_and\\_risk](https://ceuinstitute.formstack.com/forms/3_31_2026_saul_ewing_recyclability_research_regulation_and_risk)

**SAUL EWING**  
LLP

© Copyright 2026 Saul Ewing LLP

58