



# How UL Solutions Enables Retailer Chemical Footprints

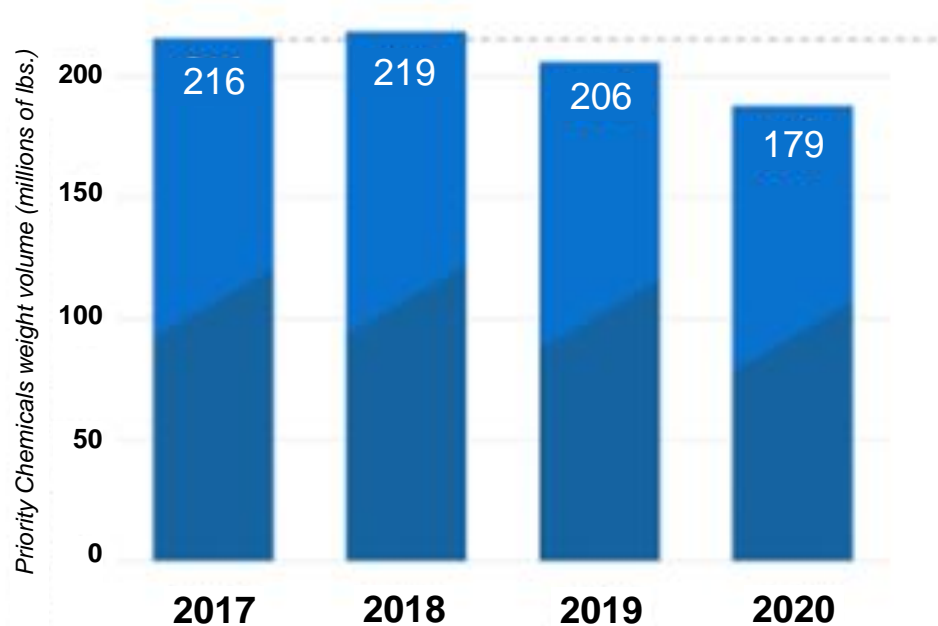
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**BizNGO 2023 Annual Meeting:  
Measuring & Tracking Chemical Footprints**  
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**Safety. Science. Transformation.™**



# Priority chemicals by weight



**17% reduction\***  
in weight (volume) of in-  
scope Priority Chemicals  
in products sold in 2020

 Weight of reduction goal  
Priority Chemicals

# UL Solutions product data ecosystem

## 1 Supply chain partners contribute data

Manufacturers and third-party suppliers provide formulation data. Retailers provide product sales data.

## 2 Rules engine conducts assessments

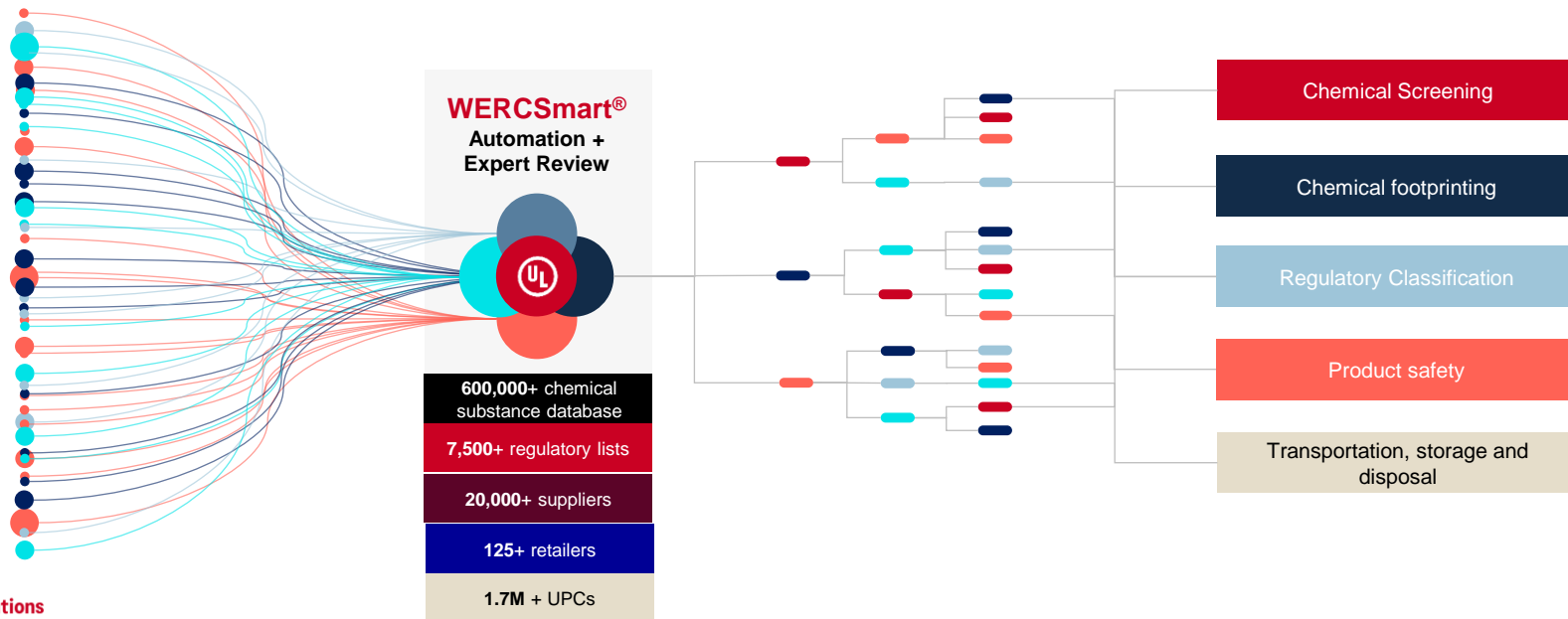
Classifying products, ensuring regulatory compliance, calculating chemical footprints.

## 3 Retailer-specific business logic

Apply custom business rules and logic to align with each retailer's business practices and standards.

## 4 Report results for different analyses

Delivered to clients by WERCSmart data feeds or PurView® catalogs



# UL Solutions chemical footprinting strengths

## Provides easy access to formulation data for most chemically-intensive products

- WERCSmart helps retailers gather the formulation data for their product portfolio, including the composition of third-party components.
- The WERCSmart platform makes it easy for retailers to request consent from suppliers to use confidential data to do footprint calculations.

## Offers year-over-year data to analyze and track reduction trends

- Need to maintain a consistent list of reportable chemicals over a reduction goal period.
- UL Solutions supports multiple “stable” chemical lists:
  - The Chemical Footprint Project (CFP) Chemicals of High Concern (CoHC) 2023
  - Retailer lists of Priority Chemicals

# Challenges of chemical footprinting

- Inconsistent footprint boundaries.
- Availability of required compositional data varies significantly by product type.
- Limitations of mass-based chemical prioritization.

