



Regulating CECs Under the Safer Consumer Products (SCP) Program

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Department of Toxic Substances Control



Cal/EPA

SCP Focuses on Source Control

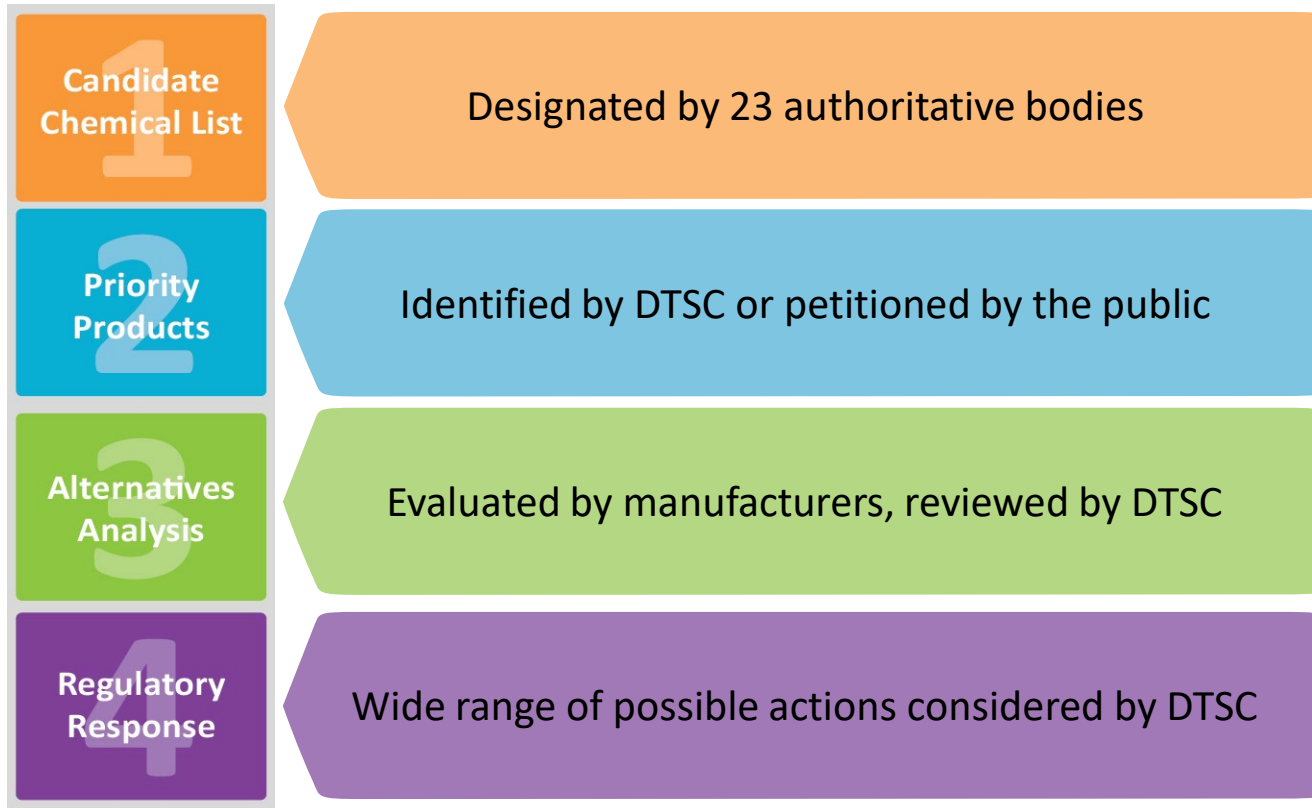
Safer Products

We are working toward Safer California households, workplaces and products

- We regulate specific consumer product *sources* of chemicals of concern, including CECs.
- But, to be most effective we need to understand which chemicals are of most concern.
- So we need your help!



The SCP Framework



Chemicals

1
Candidate
Chemical List

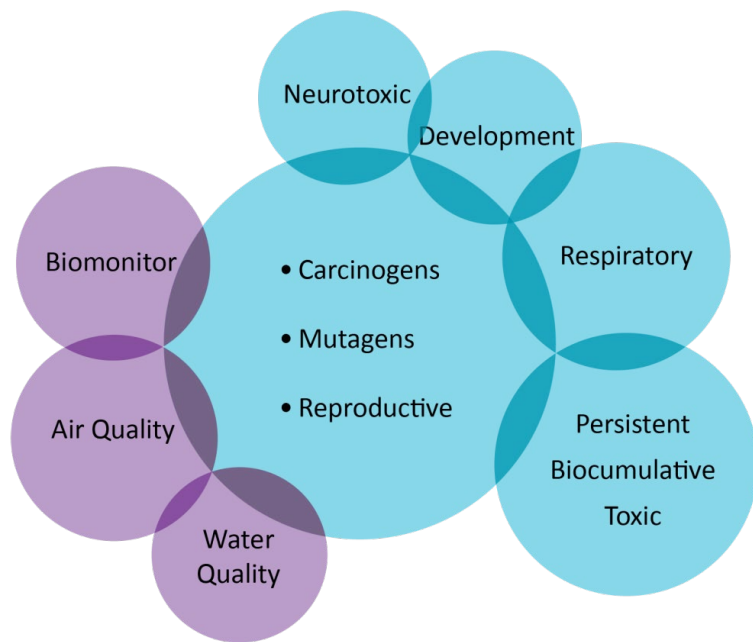
Our Menu of Options

23 authoritative lists, including:

- 303(c) and 303(d)
- OSPAR* Priority Action Part A
- Several PBT lists
- CA MCLs
- CA Notification Levels

Exclusions:

- FIFRA pesticides
- Prescription drugs
- Radioactive chemicals
- Natural toxins



Product
(Product-ChemicalCombinations)

2 **Priority Product**

Potential exposure to the Candidate Chemicals in the product **AND**

Potential for exposures to contribute to or cause significant or widespread adverse impacts

Our Prioritization Process

- Chemicals considered in the product context
- No numerical weighting or ranking system
- Narrative standard



A Three Year Priority Product Work Plan Provides Focus

- **Children** – developmental, reproductive, neurotoxicants, endocrine disruptors
- **Workers** – extended exposures
- **Aquatic impacts** – aquatic toxicants in wastewater, recycled water, stormwater
- Chemicals in the **indoor environment**
- Chemicals that migrate into food from **food packaging**



The 2018-2020 Work Plan Categories

Beauty, Personal
Care, and Hygiene
Products



Household, School,
and Work Place
Furnishings and Décor



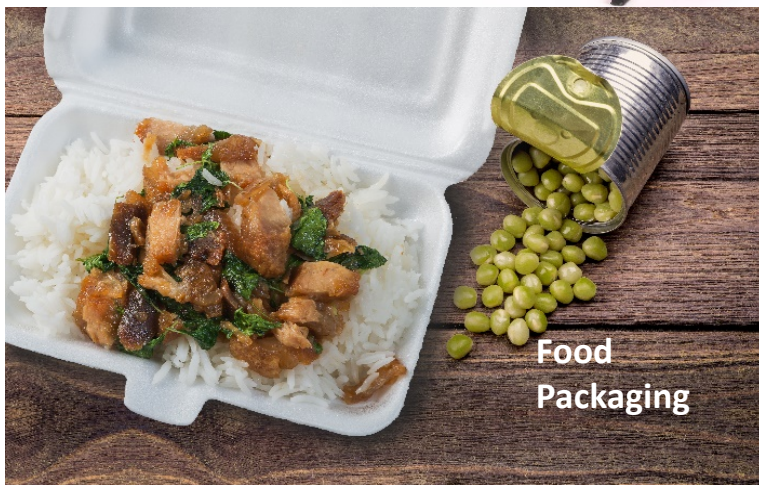
Building Products and
Materials Used in
Construction and
Renovation



Cleaning
Products



Food
Packaging



Consumable Office,
School, and Business
Supplies



Lead-Acid
Batteries

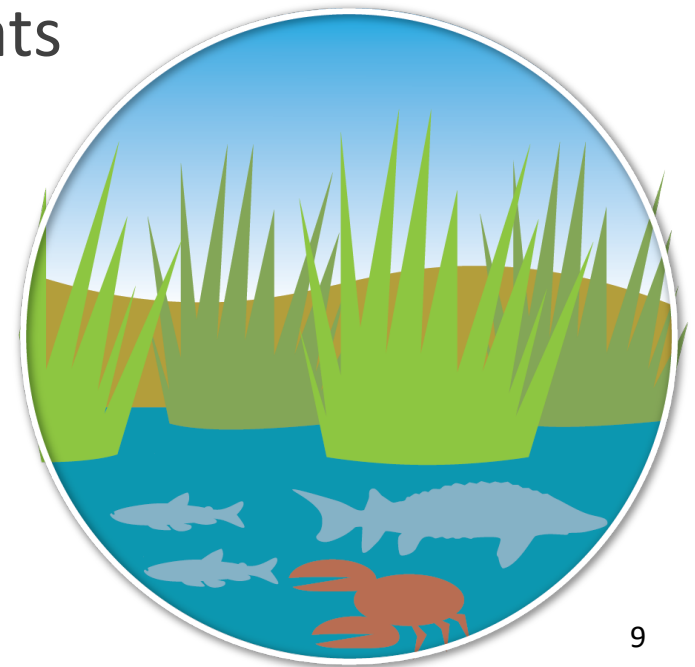


Hazard Traits and Adverse Impact Factors Considered Include ...

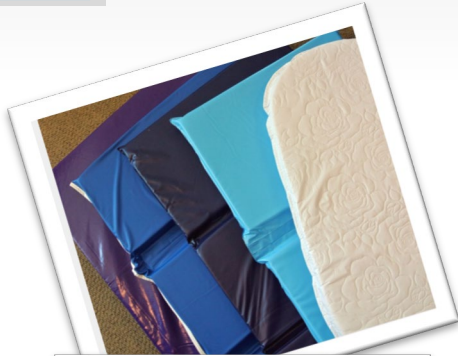
- Physicochemical properties and environmental fate
- Phytotoxicity and aquatic toxicity
- Loss of genetic diversity
- Aggregate and cumulative effects
- Impairment of waste management organisms
- Hazard traits of the degradation, reaction, or metabolism products

The SCP Regulations Are Designed to Protect the Most Vulnerable

- Sensitive sub-populations
- Endangered and threatened species
- Environmentally sensitive habitats
- Impaired environments



Adopted Priority Products



Children's foam-padded sleeping products with TDCPP or TCEP flame retardants



Paint strippers with methylene chloride



Spray polyurethane foam with unreacted methylene diphenyl diisocyanates (MDI)



Currently Undergoing Rulemaking



Carpets and rugs
with perfluoroalkyl
or polyfluoroalkyl
substances (PFASs)



Proposed Priority Products

- Laundry detergents with nonylphenol ethoxylates (NPEs)
- Treatments with PFASs for use on converted textiles or leathers
- Nail products with toluene and methyl methacrylate (MMA)
- Paint strippers and graffiti removers with N-methylpyrrolidone (NMP)
- Plant fiber-based food packaging with PFASs



Also under consideration

Personal care and cleaning products with 1,4-dioxane

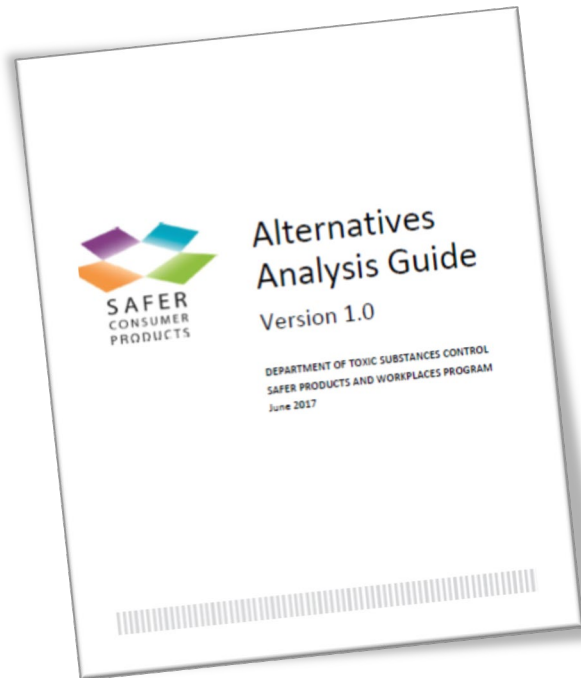


Motor vehicle tires with zinc



Alternatives Analysis
(Industry Step)

3 Alternatives
Selection



The AA Process Seeks to Avoid Regrettable Substitutions

Answers key questions:

- Is it necessary?
- Is there a safer alternative?
- What are the tradeoffs?

Requires:

- **Ecological impacts**
- **Life cycle impacts**
- Economic analysis
- Performance evaluation
- Public comment

4 Regulatory Response

- Draft Regulatory Response proposed by DTSC
- Available for public comment
- Final Regulatory Response

The Regulatory Response is Customized to Each Entity

Options include:

- No response
- Additional info to DTSC
- Additional info to consumers
- Additional safety measures
- Sales restrictions/ prohibitions
- End-of-life product stewardship
- Research funding



What can the CEC panel contribute to SCP?



- Add new Candidate Chemicals:
 - Add chemicals to one of our 23 Authoritative Lists (e.g., CA MCLs or NLs).
 - Provide data that we can use for rulemaking to add new Candidate Chemicals.



- Help with product-chemical prioritization:
 - Recommend chemicals for evaluation.
 - Evaluate hazards of data-poor chemicals.
 - Gather exposure data (source identification, California monitoring data).
 - Focus on actionable chemicals (with consumer product sources, not phased out, not regulated).
 - Include regular updates with newly identified CECs.



Thank you!

Contact me: simona.balan@dtsc.ca.gov

SCP home page: <https://dtsc.ca.gov/scp/>

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