

**Department of Toxic Substances Control  
Office of Pollution Prevention and Green  
Technology**

**Projects and Resources for Environmentally  
Preferable Purchasing**

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# *Projects and Resources for EPP*

DTSC supports EPP through the dedication and efforts of its engineers and scientists.

## ❖ DTSC Provides Technical Support to the DGS Procurement Office

- ❖ Statewide EPP Task Force
- ❖ EPP Best Practices Manual
- ❖ “Greening” State Contracts
- ❖ <http://www.green.ca.gov/EPP/default.htm>

## ❖ DTSC EPP Web Page - *under construction*

- ❖ Links to web based EPP resources  
(EPP events, case studies, product labeling, and more)
- ❖ Redirect visitors to DGS EPP web page

## ❖ DTSC Toxics in Consumer Products Web Page - *in development*

- ❖ Information regarding toxics in products and safer alternatives
- ❖ A list of chemicals of concern

## ❖ Technology Review

- ❖ Evaluation of High Efficiency Oil Filters in the State Fleet
- ❖ [http://www.dtsc.ca.gov/TechnologyDevelopment/OPPTD\\_FLY\\_High-Efficiency-Oil-Filters.cfm](http://www.dtsc.ca.gov/TechnologyDevelopment/OPPTD_FLY_High-Efficiency-Oil-Filters.cfm)

# Projects and Resources for EPP

DTSC is also changing its approach to regulating chemical wastes; from end-of-pipe, “cradle-to-grave”, to “cradle-to-cradle” and green chemistry.

## ❖ What is “cradle-to-cradle”?

- ❖ *An economic, industrial and social framework that seeks to create systems that are not just efficient, but also waste free. **Cradle-to-Cradle** is a play on the “Cradle to Grave” phrase, implying that the C2C model is sustainable and considerate of life in general.*

## ❖ The idea is that all materials used in commercial or industrial processes fall into one of two categories:

- ❖ Technical nutrients, which are basically inorganic or synthetic materials manufactured by humans--such as plastics and metals—*ideally designed to be used many times over without any loss in quality, staying in a continuous cycle; or,*
- ❖ Biological nutrients, which are organic materials—*ideally these decompose into the natural environment, soil, water, etc. without any adverse environmental or health affects.*

# *Projects and Resources for EPP*

## *What is “Green Chemistry” ?*

*“Green Chemistry is a technology, is a science, that accomplishes pollution prevention.”-John Warner, Ph.D.*

❖ Green chemistry is a set of 12 principles developed by John Warner and Paul Anastas.

- ❖ The idea is that consideration and incorporation of these principals at the design phase will reduce the amount of waste we generate and/or the hazards associated with the use and disposal of specific products.
- ❖ According to Dr. Warner, in order for Green Chemistry to work in the real world, it has to be economical, effective, and environmentally responsible. These same three criteria are typically associated with EPP, and EPP can drive “Green Chemistry”.

## ***Projects and Resources for EPP***

### ***What is DTSC doing to promote cradle-to-cradle and Green Chemistry?***

❖ **The California Green Chemistry Final Report (December, 2008) contains six policy recommendations for implementing Green Chemistry. There is a Key Element on EPP in the appendices of the Report**

<http://www.dtsc.ca.gov/PollutionPrevention/GreenChemistryInitiative/index.cfm>

❖ **DTSC is working to implement the California Green Chemistry Initiative.**

- ❖ AB 1879-safer alternatives analysis
- ❖ SB 509-toxics in products clearing house
- ❖ Other bills are currently under consideration.

❖ **EPP is an essential element of Green Chemistry; the idea is that the government can leverage its purchasing power to drive markets toward more sustainable and safer products.**

❖ **Ultimately, the implementation of AB 1879 later this year, as well as the other elements of the Green Chemistry Report in the future, will lead to the identification of chemicals of concern in products, and safer alternatives. This information should support EPP efforts.**

## *Projects and Resources for EPP*

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