Retailer as Environmental Leader: Governmental Drivers

Debbie Raphael, City/County of San Francisco
Cities are the end-of-the-line for environmental impacts
Zero Waste Goals

- 75% Diversion to landfill by 2010
  - 77% (2008 data)
- Zero waste by 2020
Getting to Zero Waste

Styrofoam Foodware Ban

Plastic Bag Ban

Plastic Water Bottles (City purch.)
Retailers Respond...
Mandatory Recycling/Composting: Burger King
The Precautionary Approach

It is NOT sufficient to ask:
Is it legal?
Is it safe?

We also MUST ask:
Is it necessary?
2007 San Francisco Bans Phthalates...

Next came California...

And then the Nation!
SF Asks Retailers to take action....
“Safeway will no longer sell baby bottles made with BPA,” said Brian Dowling, vice president, public affairs at Safeway, in a statement. “We want to be mindful of our customers' concerns and reassure them that Safeway values our children's health and well-being. The availability of alternatives allows us to withdraw the [BPA] baby bottles.”
SF Offers Assistance…

Tell your friends
We pick up paint, motor oil and other household hazardous waste.
330-1405
SF offers $
Recognition Programs
brazilian blowout

Entire treatment completed in just 90 minutes!
NO DOWN TIME!

Leaves hair smooth and frizz-free
WITHOUT harsh chemicals!

Results last for up to 12 weeks!
Açai Aftercare Maintenance products ensure longest lasting results.

Certified Salon

www.brazilianblowout.com

The ONLY Professional Smoothing Treatment that improves the health of the hair.

DANGER
FORMALDEHYDE
IRRITANT AND POTENTIAL CANCER HAZARD
AUTHORIZED PERSONNEL ONLY

DANGER
FORMALDEHYDE CONTAMINATED
AVOID INHALATION AND SKIN CONTACT
### MATERIAL SAFETY DATA SHEET

**BB-001**

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards

MSDS Revision: 1.4

MSDS Revision Date: 10/26/2010

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#### 3. COMPOSITION & INGREDIENT INFORMATION - continued

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<thead>
<tr>
<th>CHEMICAL NAME(S)</th>
<th>CAS No.</th>
<th>RTECS No.</th>
<th>EINECS No.</th>
<th>%</th>
<th>ACGIH ppm</th>
<th>NOHSC ppm</th>
<th>OSHA ppm</th>
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<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>ZC01100000</td>
<td>231-791-2</td>
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<td>METHYLENE GLYCOL</td>
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<td>BEHENYL TRIMETHYLAMMONIUM METHOSULFATE AND N-HEXADECANOL AND</td>
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<td>BUTYLENE GLYCOL MIXTURE</td>
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<td>(AND) SARGASSUM FILIPENDULA EXTRACT (AND) SORBITOL</td>
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Emerging Contaminants...

Triclosan
Green Chemistry

(12 principles*)

1. Waste Prevention
2. Atom Economy
3. Less Hazardous Chemical Syntheses
4. Designing Safer Chemicals
5. Safer Solvents and Auxiliaries
6. Design for Energy Efficiency
7. Use of Renewable Feed stocks
8. Reduce Derivatives
9. Catalysis
10. Design for Degradation
11. Real-time analysis for Pollution Prevention
12. Inherently Safer Chemistry for Accident Prevention

AB 1879
CA Dept. of Toxic Substance Control

Safe Chemicals Act 2011
(reform of the Toxic Substances Control Act)
US Environmental Protection Agency