



# Public Workshop for Proposed Amendments to the Consumer Products Regulation

August 27, 2008



*California Environmental Protection Agency*  
**Air Resources Board**

## Presentation Overview

- Background
- 2006 Survey and data summaries
- Proposed VOC limits
- Toxics evaluation
- Ongoing work
- Schedule



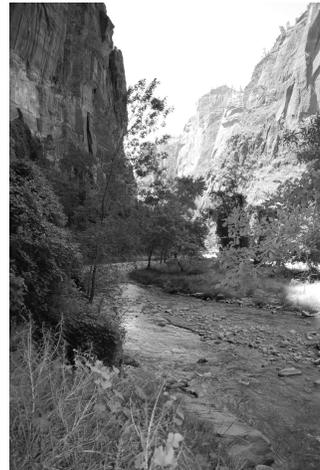
2

## Mandate to Control Consumer Product VOC Emissions

- Health and Safety Code 41712
  - Achieve maximum feasible reduction in VOCs
  - Technologically and commercially feasible
  - Preserve product forms
- VOC Statewide Strategy Commitment (SIP):
  - 30 to 40 tons per day by 2014
    - June amendments contribute ~ 4.5 tons per day toward goal
    - Additional ~ 1.3 tons per day contribute to “Black Box”

## Update on June 2008 Amendments

- Approved by the Board with modifications
- Modifications released for public comment on August 12
- Comment period closes today
- Commitment to return in November to address cleaning product VOC emissions



## 2006 Survey and Data Summaries



5

2006 Survey

## 2006 Survey Process

- Over 500 completed surveys received
- Data for over 10,000 products
- Review has focused on categories proposed for further regulation in November
  - 2,500 products in categories discussed today

6

## 2006 Survey Data Summaries

- Overall data summaries:
  - Tables B, C, and D
- Table 1:
  - Product and company names
- Table 2:
  - Product forms and VOC content
- Table 3:
  - Ingredients
  - 95% reported to protect confidentiality



7

## Categories

- Air Freshener (double-phase aerosol)
- General Purpose Cleaner (non-aerosol)
- General Purpose Degreaser (non-aerosol)
- Glass Cleaner (non-aerosol)
- Furniture Maintenance Product (aerosol)
- General Purpose Degreaser (Not for Retail Sale)

8

## Air Freshener (Double-Phase Aerosol)

- Number of companies reporting products
  - 21
- Number of products reported
  - 55
- Market Adjusted VOC emissions
  - 10.0 tpd
- Sales weighted average-VOC content
  - 24.5%
- Staff Contact: Jasmine Nguyen (jtnguyen@arb.ca.gov)

9

## General Purpose Cleaner (non-aerosol)

- Number of companies reporting products
  - 184
- Number of products reported
  - 1,406
- Market Adjusted VOC emissions
  - 11.8 tpd
- Sales weighted average-VOC content
  - 2.2%
- Staff Contact: Femi Olaluwoye (oolaluwo@arb.ca.gov)

10

## General Purpose Degreaser (non-aerosol)

- Number of companies reporting products
  - 109
- Number of products reported
  - 521
- VOC emissions
  - 1.4 tpd
- Sales weighted average-VOC content
  - 1.1%

▪ Staff Contact: Nicholas Berger (nberger@arb.ca.gov)

11

## Glass Cleaner (non-aerosol)

- Number of companies reporting products
  - 129
- Number of products reported
  - 354
- VOC emissions
  - 3.5 tpd
- Sales weighted average-VOC content
  - 3.2%

▪ Staff Contact: Robert Barrera (rbarrera@arb.ca.gov)

12

## Furniture Maintenance Product (aerosol)

- Number of companies reporting products
    - 40
  - Number of products reported
    - 73
  - VOC emissions
    - 1.2 tpd
  - Sales weighted average-VOC content
    - 16.3%
- Staff Contact: Marja-Liisa Magnuson (mmagnuso@arb.ca.gov)

13

## General Purpose Degreaser (Not for Retail Sale)

- Number of companies reporting products
    - 13
  - Number of products reported
    - 77
  - VOC emissions
    - 1.6 tpd
  - Sales weighted average-VOC content
    - 20.9%
- Staff Contact: Nicholas Berger (nberger@arb.ca.gov)

14

## Proposed VOC Limits



15

Proposed Limit

## Air Freshener (Double-Phase Aerosol) cont.

- Current VOC Limit
  - 25% by weight, effective 12/31/2004
- Proposed VOC limit
  - 20% by weight
- Effective Date
  - 12/31/2011
- VOC Emission Reduction
  - 1.9 tpd
- Complying Market Share
  - < 1%

16

Proposed Limit

## General Purpose Cleaner (non-aerosol)

- Current VOC Limit
  - 4% by weight, effective 12/31/2004
- Proposed VOC limit
  - 0.5% by weight
- Effective Date
  - 12/31/2011
- VOC Emission Reduction
  - 5.1 tpd
- Complying Market Share
  - 57%

17

Proposed Limit

## General Purpose Degreaser (non-aerosol)

- Current VOC Limit
  - 4% by weight, effective 12/31/2004
- Proposed VOC limit
  - 0.5% by weight
- Effective Date
  - 12/31/2011
- VOC Emission Reduction
  - 0.47 tpd
- Complying Market Share
  - 72%

18

## Glass Cleaner (non-aerosol)

- Current VOC Limit
  - 4% by weight, effective 12/31/2004
- Proposed VOC limit
  - 1% by weight
- Effective Date
  - 12/31/2011
- VOC emission reduction
  - 2.1 tpd
- Complying Market Share
  - 12%

19

## Furniture Maintenance Product (aerosol)

- Current VOC Limit
  - 17% by weight, effective 12/31/2004
- Proposed VOC limit
  - 10% by weight
- Effective Date
  - 12/31/2011
- VOC Emission Reduction
  - 0.46 tpd
- Complying Market Share
  - 5%

20

## Evaluation of Potentially Toxic Compounds

- Evaluating use of
  - Alkyl phenol ethoxylates
  - Dibutyl phthalate
  - Glycol ethers

21

## Ongoing Work



22

## Paint Thinner and Multi-Purpose Solvent Evaluation

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- Goal is to determine regulatory strategy
- Technical issues were discussed at a workgroup meeting yesterday
- Survey update needed to capture data on new technologies
- Proposal to be considered at June 2009 board hearing

23

## Spot Removers for "Dry Clean Only" Fabrics

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- Products currently exempt from regulation
- Conduct survey to develop information to evaluate regulatory strategy
- Goal is to consider proposal at June 2009 board hearing

24

## Nail Coatings Evaluation

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- Ongoing evaluation of toxic compounds used in nail coating products
- Assess health risks through modeling exercise
- Site visits of typical salons to occur in fall
- Goal is to consider proposal at June 2009 board hearing

25

## Continued Review of 2006 Survey

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- Survey review ongoing
  - Evaluation of Paint Remover or Stripper for June 2009 hearing
    - Toxics (primarily methylene chloride)
    - VOCs
  - Other categories including aerosol coatings
- Data from review of these products to be used to work toward VOC SIP commitment and greenhouse gas reduction goals

26

## Schedule

- September 10
  - Comments due
- 2<sup>nd</sup> Public Workshop
  - Late September
- Board hearing
  - November 20 + 21
- Subsequent public hearing
  - June 2009



27

## Contact Information

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28