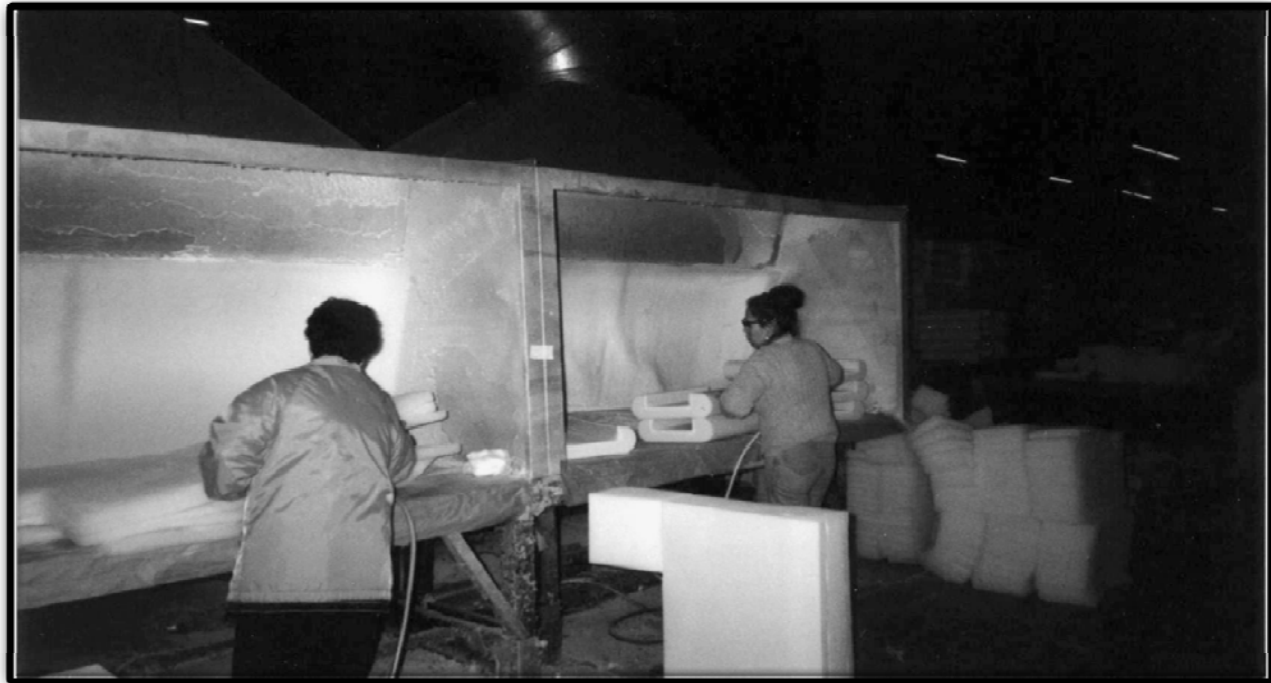


Proposed Amended Rule 1168 Adhesive and Sealant Applications



Working Group Meeting
June 25, 2013

Agenda

- Introductions
- Background
- Survey
- Rule Concepts
- Tentative Schedule

Background

- 2012 AQMP Control Measure CTS-02
- Rule 1168 last amended in 2005
 - **Addressed technology assessments for select uses**
 - **Top & Trim**
 - **PVC and CPVC welding**
 - **Some methylene chloride usage**
- Most current limits established in 2000
- Previous VOC emissions inventory estimated at 7.8 tons per day (tpd) from 1993 data
- Current inventory of 1.2 tpd represents ~ 85% reduction



Survey

- Update inventory and ensure appropriate prioritization of VOC reduction efforts
- Applicable to manufactures and distributors of adhesives and sealants sold in SCAQMD

Examples of applicable products

| | |
|--------------------|--------------------------|
| Adhesives | Insulating foams |
| Adhesive primers | Sealants |
| Adhesive promoters | Sealant primers |
| Spray foams | Plastic welding products |
| Pipe dopes | Caulks |

- 2012 product and sales information
 - Sales information to be considered confidential if requested
 - Data released only in aggregate form

Survey Products

| Name of product manufacturer (AS LISTED ON THE LABEL) | Product Name and Code | Rule 1168 Category (Optional) |
|--|------------------------------|--|
| Sticky Inc | Hold It (S123) | Architectural Adhesive – Multipurpose Construction |
| Sticky Inc | Bond Strong (S124a) | Miscellaneous Adhesive – Contact Adhesive |
| Sticky Inc | PermaBond (S456) | Sealant - Other |
| | | |
| | | |
| | | |
| | | |

Rule 1168 Category from drop down menu and survey instructions. Optional

Survey VOC Content

| VOC Regulatory (g/L) | VOC Material (g/L) |
|----------------------|--------------------|
| 47 | 47 |
| 79 | 79 |
| 121 | 35 |
| | |
| | |
| | |
| | |

VOC Calculator available at:

<http://www.aqmd.gov/prdas/Coatings/VOCs/vocCalculations.htm>

Survey

Exempt Solvents

| Contains acetone? Indicate with a “Y” if yes | Contains tert butyl acetate (TBAC)? Indicate with a “Y” if yes | Contains dimethyl carbonate? Indicate with a “Y” if yes | Contains another exempt solvent? Indicate with a “Y” if yes |
|--|--|---|---|
| N | N | Y | N |
| Y | Y | N | N |
| N | Y | N | N |
| | | | |
| | | | |
| | | | |
| | | | |

In quantities greater than 0.1 percent by weight

Survey Sales

| Quantity Sold in 2012 (gallons) |
|---|
| <input checked="" type="checkbox"/> Confidential? |
| 26,200 |
| 1,343 |
| 27 |
| |
| |
| |
| |

Mark checkbox to make your sales date confidential

Rule Concepts

- Conform rule to Control Techniques Guidelines (CTG)
 - Several categories (Reinforced Plastic Composite, Waterproof Rescorcinol Glue, Single-Ply Roof Membrane Adhesive Primer, Other Adhesive Primer) have lower VOC content limits in CTG
 - Add provisions for mixing and storage including prohibited storage of non-compliant adhesives and sealants
- Clarify and simplify rule
 - Eliminate or revise unnecessary definitions
 - Define primer as “film-forming” and inclusive of bonding and promoting
 - Clarify requirements and applicability associated with other rules

Rule Concepts (Cont.)

- Lower or add VOC content limits
 - Architectural Adhesives
 - Architectural Sealants
 - Foams
 - Sealants – filling cracks/gaps/voids
 - Insulating – large cavities
 - Fillers
 - Retain individual category limits @ 250 g/L, although redundant with general default category limit, in order to provide clarification
- Delineate and address consumer products
 - Define as $\leq 16\text{oz} / 1\text{ lb}$ and subject to CARB rule
 - Limit aerosol exemption to 16 oz/day
 - Remove exemption for stationary sources when using adhesive and sealant consumer products

Rule Concepts (Cont.)

- Include labeling requirement similar to San Joaquin Valley ACPD
- Consider new VOC test method and Material VOC limits which may provide opportunity for further emission reductions
- Review exemptions
- Prohibit Group II exempt solvents, including all uses of methylene chloride
- Require post rule sales surveys to determine rule effectiveness

Tentative Schedule

- Working Group meetings Ongoing
- Public Workshop Fall 2013
- Report to Stationary Source Committee Late 2013
- Final Hearing Late 2013

Contact:

Mike Morris

(909) 396-3282

mmorris@aqmd.gov