

ECVM replies to the Questionnaire for Substance Prioritisation for the RoHS 2 Directive

Questions:

1. Contact Information

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2. Area of activity (more than one is possible):

- Industry/business association;

3. Please indicate which substance the information provided in this document concerns:

- Poly Vinyl chloride (PVC)

4. Applications in which substance is in use

a. Please provide information concerning products and applications in which the substance indicated in Question 3 is in use.

Herewith a non-exhaustive list of PVC applications

- ◇ Construction products (pipes and pipe fittings, profiles, boards, roofing and waterproofing membranes, flooring, wall coverings, decorative ceilings, electrical cables, switches and plugs, cable conduits)
- ◇ Packaging (flexible film, rigid blisters, bottles, crown corks, screw caps, can coating)
- ◇ Electrical and electronic products (cable sheathings, switches, protective profiles and boxes, battery separators, insulation tape)
- ◇ Automotive (sealing and anti-corrosion coatings, interior trim, dashboards, steering wheels, etc., cables, truck tarpaulins)
- ◇ Furniture (laminated in e.g. kitchens and bathrooms, drawers, cushions and artificial leather furniture)
- ◇ Home (shower curtains, gloves, garden hoses)
- ◇ Office supplies (binders, book covering)
- ◇ Leisure and outdoor (luggage, tents, toys, life buoys, inflatable products)
- ◇ Clothing (artificial leather, rainwear, shoes and shoe soles)
- ◇ Medical (blood and infusion bags, urine bags, flexible tubing, gloves)
- ◇ Industrial (hoses, conveyor belts)



- ◇ Advertisement banners
- ◇ Miscellaneous (inks, adhesive tape, credit cards)

b. In your answer please specify if application is relevant to EEE products and applications or not.

They are underlined in the previous question

c. Please elaborate if substitution of the substance indicated in Question 3 is already underway in some of these applications, and where relevant elaborate which chemical or technological alternatives may be relevant for this purpose.

The only significant substitution we are aware of is in bottles, where (at least for water) PVC has been replaced by PET, mainly for appearance reasons.

5. Quantities ranges in which the substance is in use

a. Please provide information as to the ranges of quantities in which the substance indicated in Question 3 is applied in general and in the EEE sector.

Obviously, it is not possible to provide detailed statistics for the many applications listed in 4a. To the best of our knowledge, 2012 demand for PVC resin in the EU-27 was 4,900 kt, of which 3,350 kt in building and construction applications (69 %), 470 kt in packaging (10 %), 150 kt in automotive applications (3 %) and 100 kt in E&E (2 %). The remaining 16 % covers all other uses. Please be aware that cables installed in buildings are counted as a B&C application. Total resin consumption for manufacturing cables was approximately 330 kt.

b. If substitution has begun or is expected to begin shortly, please estimate how the trend of use is expected to change over the coming years.

Not relevant

6. Further information and comments

a. The substance profiles made available on the consultation page have been prepared as a summary of the publicly available information reviewed so far. If relevant, please provide further information in this regard.

b. Please provide further information and documents that you believe to have additional relevance for this review as well as references where relevant to support your statements. In case parts of your contribution are confidential, please clearly mark relevant text excerpts or provide your contribution in two versions (public /confidential).



Pre-assessment of
PVC for RoHS2.pdf

See inserted file