



## Clarification on the usage of P.R. 2 in PE applications

### Recommendation to Customers

Pigment Red 2 (CAS 6041-94-7) is a widely used cost effective yellowish shade red.

As it is relatively low in cost, the use of this pigment for low cost application like hygienic packaging is quite attractive.

As there is no migration resistance of P.R. 2 to PVC (a material widely used for bathroom floors, sometimes windows and other interior parts), therefore the potential risk of migration of P.R. 2 from printed material has to be clarified to customers.

P.R. 2 also shows migration in combination with other plasticizers sometimes found in non-HuberGroup backing whites or in certain films, for example toilette paper wrapping, or in occasional cases also with plasticized systems on transparent PE. This leads to an orange / reddish shadow visible in multiple layers.

Based on these experiences from the market, we do not recommend the usage of P.R. 2 in PE applications without clarifying the potential risk of migration of the pigment on PE, and for frontal printing application the risk of migration into PVC parts of the interior of consumers.

As a safer alternative, we strongly suggest the use of P.R. 48:1 in these applications.

Contact addresses for advice and further information can be found under [www.hubergroup.com](http://www.hubergroup.com)

Due to the many variables in materials for printing, design construction, processing conditions and test criteria, this Technical Data Sheet can only be of an advisory nature. Our data reflect the latest state of our knowledge and are based on the characteristics established in the laboratory and on practical experience. Because there are many factors under the control of the user which may affect processing or application/use, it is necessary for the user to carry out appropriate tests to determine whether the product(s) is technically and safely suitable for the particular purpose, prior to use. **huber**group disclaims any liability for applications for which this ink series is not foreseen. No warranties of any kind, either expressed or implied, are made regarding the products here described. The English version is the master document, on which to refer for any translations.