



January 2018

### Carbon Black Products for Skin Contact Applications – EU 1272/2013

The European Commission Regulation EU 1272/2013 limits the content of eight Polycyclic Aromatic Hydrocarbons (PAHs) in the accessible rubber or plastic parts of certain articles placed on the market. Specifically, EU 1272/2013 limits the eight PAHs listed below:

- Benzo[a]pyrene
- Benzo[e]pyrene
- Benzo[a]anthracene
- Chrysene
- Benzo[b]fluoranthene
- Benzo[j]fluranthene
- Benzo[k]fluranthene
- Dibenzo[a,h]anthracene

Furthermore, the limits for the eight PAHs are stipulated below:

[Category A]: Limit = 1 mg/kg (1 ppm) for any of the eight-listed PAHs for the rubber or plastic components that come into direct, as well as, prolong or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use.

[Category B]: Limit = 0.5 mg/kg (0.5 ppm) for any of the eight-listed PAHs for the rubber or plastic components of toys, including activity toys, and childcare articles, that come into direct contact, as well as, prolonged, or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use.

Commission Regulation EU 1272/2013 applies only to the rubber or plastic components of finished articles and not to the raw materials such as carbon black, and it is the responsibility of the article producer to ensure compliance; however, Birla Carbon has recognized the needs of our customers and has conducted rigorous testing to ensure that several of our key products will be suitable for meeting the limits specified by the regulation for both Categories A and B, with a maximum 50% loading.

For the products listed in Table 1 below, we certify that the carbon black will contribute less than 0.5 ppm of any of the eight listed PAHs to the final article, when the carbon black product is used at a loading of 50% by weight or less.

Raven® 880	Raven® 1185 Ultra®	Raven® 1300 Ultra®
Raven® 2000	Raven® 2300 Ultra®	Raven® 2350 Ultra®
Raven® 2500 Ultra®	Raven® P	Raven® P5 Ultra®
Raven® P7 Ultra®	Raven® PFEB	Raven® UV Ultra®
Raven® FC1		

The information presented within this publication is based on Birla Carbon's analysis and the analysis of others. Birla Carbon disclaims all representations and warranties regarding performance or use, express or implied, including implied warranties of merchantability and fitness for a particular purpose. The user is responsible for determining the suitability of any product for a specific purpose and the manner in which the product is used. Before handling, using, or processing any material, always read its Safety Data Sheet.

For additional information or for updates to this information, please email [bc.hse@adityabirla.com](mailto:bc.hse@adityabirla.com) or visit [www.birlacarbon.com](http://www.birlacarbon.com)

ADITYA BIRLA



BIRLA CARBON