



## Hazard Classifications

Birla Carbon's carbon black products include all ASTM, BC, CD, Conductex®, Copeblack®, PM, Raven®, and Ultra® grades.

The following information is provided to describe the hazard classifications of carbon black.

### International Agency for Research on Cancer (IARC)

With regard to carcinogenic, mutagenic or toxic for reproduction (CMR) Category 1 and Category 2 chemicals, it is noted that the International Agency for Research on Cancer (IARC) concluded that there is "sufficient evidence" in experimental animal studies for the carcinogenicity of carbon black. IARC's overall evaluation is that carbon black is "possibly carcinogenic to humans (Group 2B)". However, it has been demonstrated that the specific mechanism of tumor induction by carbon black in animals (specifically, rats) is not relevant to humans. Therefore, the International Carbon Black Association (ICBA) (of which Birla Carbon is a member) has not classified carbon black as carcinogenic. This conclusion is also based on technical guidance from the European Chemicals Agency (ECHA) that good quality human data should always take precedence over experimental animal data. We continue to believe that carbon black does not present a health hazard when handled in accordance with good housekeeping and safe workplace practices. See Section 11 of the Safety Data Sheet for additional information.

### United Nations Globally Harmonized System of Classification and Labeling (GHS)

According to the principles of the UN GHS, carbon black is not classified as hazardous for any endpoints.

### European Union

Carbon black is not classified as a hazardous substance according to Regulation (EC) No. 1272/2008 on Classification, Labeling, and Packaging of Hazardous Substances (CLP).

### United States

Carbon black is classified as hazardous, as a combustible dust, by the United States 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Canada

Carbon black is classified as hazardous, as a combustible dust, by the Canadian Hazardous Products Regulation of 2015 (HPR).

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