

Guideline for distinction between Substance, Mixture (or Preparation) and Article depending on REACH regulation regarding Carbon and Graphite Products (ver.3)

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Japan Carbon Association (JCA)

REACH Subcommittee

1. Definitions of Substance, Preparation and Article on REACH

- Substance: means a chemical element and its compounds in the natural state or obtained by any manufacturing process, including any additive necessary to preserve its stability and any impurity deriving from the process used, but excluding any solvent which may be separated without affecting the stability of the substance or changing its composition;
- Mixture (or Preparation): means a mixture or solution composed of two or more substances;
- Article: means an object which during production is given a special shape, surface or design which determines its function to a great degree than does its chemical composition;

1. Examples of Carbon and Graphite Products distinguished by JCA

- Substance
Carbon powder, Graphite powder, Coke
- Preparation (or Mixture)
Mixture of Carbon powder and Graphite powder,
Mixture of Carbon or Graphite powder and Metal powder
- Article¹⁾
Electrode, Cathode block, Crucible, Heater, Brush, Brush pellets, Mechanical parts, Insulator (sheet, felt), Carbon or Graphite material block¹⁾, Carbon or Graphite block impregnated with resin or metal, Block for blast furnace, Block for ark furnace

Note 1) The shape of Carbon or Graphite material block is not the final product's shape.

However, its shape is required from the customer for the function of machining to the final product. Therefore, a material block should be interpreted as an Article.

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