

Polycarbonate/Bisphenol A group

### **Bisphenol A and Endocrine Disruption**

Bisphenol A (BPA) is an important chemical building block that is used primarily to make polycarbonate plastic and epoxy resins. The safety of bisphenol A has been extensively studied by regulatory agencies, academic and scientific institutions, and industry scientists for more than four decades. These studies have consistently show that realistic human exposures to bisphenol A are well below any level of concern.

In recent years, a hypothesis has been advanced claiming that exposure to extremely low doses of bisphenol A could cause effects on reproduction or development by disrupting normal endocrine functions.

Since these claims were first reported in the mid-1990's, many studies have been conducted to test whether bisphenol A causes adverse effects on reproduction and development at low doses. Most notably these include several large-scale studies that examine laboratory animals exposed to bisphenol A over multiple generations. These studies followed internationally accepted guidelines and were conducted under Good Laboratory Practices in high quality laboratories. No effects on reproduction or development from low doses of bisphenol A have been found in these studies.

Conversely, reported low-dose effects in other small-scale studies have not been replicated or corroborated in independent laboratories and are not consistent from study to study. Replication is a hallmark of science and studies that cannot be replicated cannot be accepted as valid.

The validity of low-dose effects is not supported by the weight of scientific evidence, as reviewed by scientific and government bodies worldwide. Each of these reviews supports the safety of bisphenol A and provides strong reassurance that there is not a basis for human health concerns at any realistic level of exposure.

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