

EUROPEAN BASIC ACRYLIC MONOMERS GROUP (EBAM)

Intermediate Bulk Containers (IBC's) for the transport of Acrylic Monomers

Industry Recommendation

The use of intermediate bulk containers (IBCs) for the transport of acrylic monomers is authorized by the ADR/RID/IMDG regulations. The use of electrostatically safe IBCs for loading and unloading is required by the UN Orange Book for substances with a flash point below 60° C (Volume II, Sec. 4.1.2.). CENELEC report, R044-001, dated February 1999, provides guidance and recommendations for the avoidance of hazards due to static electricity in regards to IBCs.

Even though there is a range of allowable options in IBC selection, EBAM recognizes the following factors are important in IBC selection: corrosivity, flammability, UV exposure, temperature exposure, mechanical strength vs. temperature, impact resistance, proximity of use to other containers containing materials of different flashpoints, and odor control. EBAM recognizes that there are a variety of ways to manage these factors by container selection and by organizational means. From a technical perspective, EBAM considers that the following container selections fit best the listed monomer products, linked to their specific properties.

Product	IBC Type	Key Characteristics for Selection
Acrylic Acid	Insulated, Stainless Steel	temperature exposure, corrosivity
Methyl & Ethyl Acrylate	Stainless Steel	odor control, flammability
Butyl Acrylate	Electrostatically Safe Composite Plastic	flammability
2-Ethylhexyl Acrylate	Composite Plastic	

The recommendation is given to the best of the EBAM member companies' knowledge, and is made without any guarantee as the conditions of use are beyond the industry's control. Neither Cefic nor any member of the Cefic EBAM sector group shall have any liability whatsoever for any decision based on this recommendation.