

6265 DEAN PARKWAY ONTARIO NY 14519 WWW.SCIPOLY.COM

## **Technical Data Sheet**

**MATERIAL:** Poly(n-butyl methacrylate)

CATALOG NUMBER: 111

**CAS NUMBER:** 9003-63-8

**DESCRIPTION:** Homopolymer of n-butyl methacrylate

FORMULA:  $(C_8H_{14}O_2)_x$ 

**TYPICAL PROPERTIES:** 

Appearance: Beads

Approx Mw: 180,000 [GPC]

Inherent viscosity: 0.52

 $\begin{array}{lll} Density: & 1.07 \ (25^{\circ}\text{C}) \\ Refractive index: & n_D^{20} \ 1.483 \\ Glass transition temp: & 15^{\circ}\text{C} \\ Flash point: & 572^{\circ}\text{F} \\ Solubility parameter: & 8.75 \\ \end{array}$ 

Solubility: Acetone, benzene, chloroform,

isopropanol, MEK, THF, toluene

**GENERAL INFORMATION:** Useful in adhesives for smooth plastic films and aluminum, and in silk

screen inks. Will plasticize and improve adhesion of polyisobutyl methacrylate and nitrocellulose. Improves outdoor durability of vinyl

chloride resins.

**STRUCTURE:** 

Technical information and data regarding the composition, properties or use of the products described herein is believed reliable. However, no representation or warranty is made with respect thereto except as made by  $Sp^2$  in writing at time of sale.  $Sp^2$  cannot assume responsibility for any patent liability which may arise from the use of any product in a process, manner or formula not designed by  $Sp^2$ .