

**PRODUCT: Methyl methacrylate (MMA)**

**Methyl methacrylate (MMA)** is an organic compound with the formula  $CH_2=C(CH_3)COOCH_3$ . This colorless liquid, the methyl ester of meth acrylic acid (MAA) is a monomer produced on a large scale for the production of poly (methyl methacrylate) (PMMA).

**Application:**

The principal application, consuming approximately 75% of the MMA, is the manufacture of Polymethyl methacrylate acrylic plastics (PMMA). Methyl methacrylate is also used for the production of the co-polymer methyl methacrylate-butadiene-styrene (MBS), used as a modifier for PVC.

Items	Unit	Standards
Physical state	-	Liquid
Molecular weight	g/mol	100.12
Density	gm <sup>3</sup> (20 °C)	0.94
Vapor pressure	hPa (20 °C)	37
Flammability	-	Highly flammable
Explosive properties	-	Not explosive
Boiling point	°C	100 - 101
Flashpoint	°C	10