2-Ethylhexyl Acrylate

2-Ethylhexyl acrylate is a water white liquid with a characteristic odor. It is supplied inhibited to prevent polymerization. It is a stable product, with only negligible solubility in water. It is readily polymerized and displays a range of properties dependent upon the selection of the

monomer and reaction conditions.

2-ethylhexyl acrylate is used in the production of homopolymers. It is also used in the production of co-polymers, for example acrylic acid and its salts, esters, amides, methacrylates, acrylonitrile, maleates, vinyl acetate, vinyl chloride, vinylidene chloride,styrene, butadiene and unsaturated polyesters. 2-ethylhexyl acrylate is also used in pressure sensitive adhesives.

When used in latex paint formulations acrylic polymers have good water resistance, low temperature flexibility and excellent weathering and sunlight resistance.

Molecular weight 184.3

Viscosity @ 20°C 1.540 cP

Boiling Point 213.5 °C

Freezing Point -90 °C

Flash Point 84 °C

Color <10 APHA

Specific garvity 0.882 - 0.888

Purity>99.5 wt%

Water Content <0.05 wt%

Inhibitor, MEHQ 10 - 20 ppm

Latent heat 9.8 - 10.8 Kcal/mol

Specific heat 0.46 Kcal/Kg°C

Heat of polymerization 14.5 Kcal/mol

Refractive index nD20 1.4350

Vapor Pressure @ 60 °C 1.8

Vapor Pressure @ 80 °C 5.9

Vapor Pressure @ 100 °C 14.0

Vapor Pressure @ 140 °C 71.0

Lel 0.7 vol%

Uel 6.5 vol%

Acidity, as acrylic acid <0.007 wt%