



Styrene Monomer (SM)

CAS Number	Formula
100-42-5	C ₈ H ₈

Styrene is a colorless to yellowish oily liquid with a distinctive aromatic odor. It is sparingly soluble in water but soluble in alcohols, ethers and carbon disulfide. This valuable monomer is flammable, reactive and toxic. Styrene Monomer is a light liquid. It has a low vapour pressure and high refractive index.

SPECIFICATION

Purity,	99.9423 wt %.
Ethyl benzene	< 10 ppm wt.
Polymer	1 ppm wt.
Color (APHA)	8.1 APHA
Aldehydes, as benzaldehyde	NIL
Chlorides, total, as Cl	< 1 ppm wt.
Sulfur, total, as S	< 1 ppm wt.
Peroxides, expressed as H ₂ O ₂	10 wt. %
Inhibitor, TBC	40 ppm wt.
S. Gr.	0.908

MAJOR USE: To make latex, synthetic rubber, and polystyrene resins, plastic packaging, disposable cups and containers, insulation, and other products. Styrene is also produced naturally in some plants.

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