

TOLUENE

Chemical Name: toluene

Synonyms: phenyl methane; methylbenzol; toluol; methyl benzene

Family: hydrocarbon

Chemical Formula: C₆H₅CH₃

Composition: purity: 99%; acidity: not present; non arom.: 0.5 max (%m); color (Pt/Co)= 20 max (ppm); thiophene: 0.7 max (%m)

N° CAS: 108-88-33

N° ONU: 1294

Risk Class: 3

Risk #: 33 – Flammable liquid

Basic Petrochemicals Specification:

| | Unit | Value | Method |
|---|----------------|--------------------|-------------|
| Purity | % wt | 99.7 min | ASTM-D-2360 |
| Distillation range (at 760mmHg) | °C | max.1°C to 110.6°C | ASTM-D-850 |
| Copper corrosion | - | Absent | ASTM-D-849 |
| Acid wash color | - | 2 max | ASTM-D-848 |
| Color (Pt/Co) | - | 20 max | ASTM-D-1209 |
| Thiophene | ppm wt | 0.7 max | ASTM-D-7011 |
| Non aromatics | % wt | 0.2 max | ASTM-D-2360 |
| Density | - | 0.865 to 0.869 | ASTM-D-4052 |
| Sulphur compounds (H ₂ S/SO ₂) | - | Not present | ASTM-D-853 |
| Acidity | mgNaOH/ 100 ml | Not present | ASTM-D-847 |
| Benzene | ppm vol | 1000 max | ASTM-D-2360 |
| Xylene + Ethyl-benzene | % wt | 0.1 max | ASTM-D-2360 |