

## SPECIFICATION

### Triton X-100

| Parameters        | Specification                                                                           |
|-------------------|-----------------------------------------------------------------------------------------|
| CAS Number        | 9002-93-1                                                                               |
| Appearance        | Clear, viscous liquid                                                                   |
| Molecular Formula | C <sub>14</sub> H <sub>22</sub> O(C <sub>2</sub> H <sub>4</sub> O) <sub>n</sub>         |
| Molecular Weight  | 625 g/mol                                                                               |
| Boiling Point     | 270 °C                                                                                  |
| Flash Point       | 113 °C                                                                                  |
| Purity            | 96-98%                                                                                  |
| Refractive Index  | 1.482                                                                                   |
| Solubility        | Freely soluble in water, ethanol, methanol, acetone; insoluble in hydrocarbons          |
| Uses              | Laboratory detergent, solubilizing agent for proteins/membranes, emulsifier, dispersant |

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