

## SPECIFICATION

### Benzenesulfonyl Chloride

| Parameters        | Specification                                          |
|-------------------|--------------------------------------------------------|
| CAS Number        | 98-09-9                                                |
| Appearance        | Colorless liquid                                       |
| Molecular Formula | C <sub>6</sub> H <sub>5</sub> ClO <sub>2</sub> S       |
| Molecular Weight  | 176.62 g/mol                                           |
| Boiling Point     | 198 °C                                                 |
| Melting Point     | -6 °C                                                  |
| Flash Point       | 105 °C                                                 |
| Purity            | 98–99%                                                 |
| Refractive Index  | 1.541                                                  |
| Solubility        | Insoluble in water, soluble in organic solvents        |
| Uses              | Sulfonylating agent, intermediate in organic synthesis |