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## Typical Product Specifications & Properties

# Thiophene

CAS Number: : 110-02-1

| Specifications   | Limits                       |
|------------------|------------------------------|
| Molecular weight | 84.14                        |
| EINECS           | 203-729-4                    |
| SMILES           | s1cccc1                      |
| InChI            | 1S/C4H4S/c1-2-4-5-3-1/h1-4H  |
| InChIKey         | YTPLMLYBLZ KORZ-UHFFFAOYSA-N |
| Flash Point      | -9 &deg;C                    |
| Melting Point    | -38 &deg;C                   |
| Vapor Density    | 2.9                          |
| Refractive Index | 1.529                        |
| BRN Number       | 103222                       |
| Water solubility | INSOLUBLE                    |
| Form             | powder                       |



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| Specifications      | Limits                                                                         |
|---------------------|--------------------------------------------------------------------------------|
| Stability           | Stable. Highly flammable. Incompatible with strong oxidizing agents, nitrates. |
| Density             | 1.051 g/mL at 25 °C                                                            |
| Vapor Pressure      | 40 mm Hg ( 12.5 °C)                                                            |
| Merck               | 14,9353                                                                        |
| Boiling Point       | 84 °C                                                                          |
| Storage Temperature | Flammables area                                                                |



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