

## SPECIFICATION

### Ferrous Sulfide

| Parameters       | Specification                                                                              |
|------------------|--------------------------------------------------------------------------------------------|
| CAS Number       | 1317-37-9                                                                                  |
| Appearance       | Dark gray to black powder with metallic luster                                             |
| Molecular Weight | 87.91 g/mol                                                                                |
| Boiling Point    | 1250 °C                                                                                    |
| Melting Point    | 1114 °C                                                                                    |
| Flash Point      | 550 °C                                                                                     |
| Purity           | 98–99%                                                                                     |
| Refractive Index | Not applicable                                                                             |
| Solubility       | Insoluble in water; reacts with acids to release hydrogen sulfide gas                      |
| Uses             | Laboratory reagent; precursor in pigment production; ore processing and chemical synthesis |

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