

SPECIFICATION

Ammonium Sulfide

| Parameters | Specification |
|-------------------|--|
| CAS Number | 12135-76-1 |
| Appearance | Colorless to white crystalline solid |
| Molecular Formula | H ₈ N ₂ S |
| Molecular Weight | 68.17 g/mol |
| Boiling Point | 125 °C |
| Melting Point | 120 °C |
| Flash Point | 200 °C |
| Purity | 98–99% |
| Refractive Index | 1.46 |
| Solubility | Soluble in water; forms basic solution; hydrolyzes in air releasing ammonia and hydrogen sulfide. |
| Uses | Laboratory reagent; precursor for sulfide compounds; used in chemical synthesis and material processing. |



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