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## Typical Product Specifications & Properties

# 2-Aminonaphthalene

CAS Number: : 91-59-8

| Specifications               | Limits                                             |
|------------------------------|----------------------------------------------------|
| Molecular weight             | 143.19                                             |
| EINECS                       | 202-080-4                                          |
| SMILES                       | <chem>c12c(ccc(c1)N)cccc2</chem>                   |
| InChI                        | 1S/C10H9N/c11-10-6-5-8-3-1-2-4-9(8)7-10/h1-7H,11H2 |
| InChIKey                     | JBULHTVPXGSAM-UHFFFAOYSA-N                         |
| Atmospheric OH Rate Constant | 2.00E-10 cm <sup>3</sup> /molecule-sec             |
| Water solubility             | 6.4 mg/L                                           |
| log P (octanol-water)        | 2.28                                               |
| Melting Point                | 113 &deg; C                                        |
| Boiling Point                | 300 &deg; C                                        |
| pKa Dissociation Constant    | 4.16                                               |
| Henry's Law Constant         | 8.10E-08 atm-m <sup>3</sup> /mole                  |



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| Specifications      | Limits                                    |
|---------------------|-------------------------------------------|
| Vapor Pressure      | 2.56E-04 mm Hg                            |
| Boiling Point       | 306 &deg;C                                |
| Merck               | 13,6425                                   |
| Form                | powder                                    |
| Water solubility    | <0.1 g/100 mL at 22 &#186;C               |
| Melting Point       | 111-113 &deg;C                            |
| Color               | pink to purple                            |
| Stability           | Stable. Incompatible with strong oxidizin |
| Storage Temperature | -20&deg;C Freezer                         |
| Density             | 1.061 g/mL at 25 &deg;C                   |



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