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## Typical Product Specifications & Properties

# 3,4-Dichloroaniline

CAS Number: : 95-76-1

| Specifications      | Limits                                                                                                                          |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Molecular weight    | 162.02                                                                                                                          |
| EINECS              | 202-448-4                                                                                                                       |
| SMILES              | <chem>c1(c(ccc(c1)N)Cl)Cl</chem>                                                                                                |
| InChI               | 1S/C6H5Cl2N/c7-5-2-1-4(9)3-6(5)8/h1-3H,9H2                                                                                      |
| InChIKey            | SDYWXYBZPNOFX-UHFFFAOYSA-N                                                                                                      |
| Density             | 1,34 g/cm3                                                                                                                      |
| BRN Number          | 636837                                                                                                                          |
| Boiling Point       | 272 &deg;C                                                                                                                      |
| Storage Temperature | 0-6&deg;C                                                                                                                       |
| Stability           | Stable, but darkens in storage. Combustible. Incompatible with strong oxidizing agents, acids, acid chlorides, acid anhydrides. |
| Flash Point         | 166 &deg;C                                                                                                                      |
| Merck               | 14,3054                                                                                                                         |



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| Specifications               | Limits                                 |
|------------------------------|----------------------------------------|
| Water solubility             | 0.06 g/100 mL                          |
| Melting Point                | 69-71 °C                               |
| Solubility                   | 0.73g/l                                |
| Melting Point                | 72 °C                                  |
| Boiling Point                | 272 °C                                 |
| pKa Dissociation Constant    | 2.968                                  |
| Vapor Pressure               | 0.00632 mm Hg                          |
| Henry's Law Constant         | 1.46E-05 atm-m <sup>3</sup> /mole      |
| log P (octanol-water)        | 2.69                                   |
| Atmospheric OH Rate Constant | 2.21E-11 cm <sup>3</sup> /molecule-sec |
| Water solubility             | 92 mg/L                                |
| Form                         | Crystalline Mass and/or Chunks         |



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| Specifications | Limits         |
|----------------|----------------|
| Color          | Beige to brown |



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