

# Typical Product Specifications & Properties

## 5-Chloro-2-nitrotoluene

**CAS Number: : 5367-28-2**

| Specifications   | Limits  |
|------------------|---|
| Molecular weight | 171.58  |
| EINECS           | 226-355-3   |
| SMILES           | <chem>[N+](c1c(cc(cc1)Cl)C)([O-])=O</chem>        |
| InChI            | 1S/C7H6ClNO2/c1-5-4-6(8)2-3-7(5)9(10)11/h2-4H,1H3 |
| InChIKey         | NSMZCUAVEOTJDS-UHFFFAOYSA-N                       |
| Flash Point      | 202 &deg;F  |
| Boiling Point    | 124-126 &deg;C (16 mmHg)                          |
| Refractive Index | 1.57-1.572  |
| Water solubility | insoluble   |
| Density          | 1.32  |
| Melting Point    | 27-30 &deg;C                                      |
| Melting Point    | 25.5 &deg; C                                      |

| Specifications               | Limits                                 |
|------------------------------|--|
| Atmospheric OH Rate Constant | 5.84E-13 cm <sup>3</sup> /molecule-sec |
| log P (octanol-water)        | 3.000                                  |