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Typical Product Specifications & Properties

1-Methyl-1-cyclohexene

CAS Number: : 591-49-1

| Specifications | Limits |
|------------------------------|---|
| Molecular weight | 96.17 |
| EINECS | 209-718-0 |
| SMILES | C=1(CCCCC1)C |
| InChI | 1S/C7H12/c1-7-5-3-2-4-6-7/h5H,2-4,6H2,1H3 |
| InChIKey | CTMHWPIWNRWQEG-UHFFFAOYSA-N |
| log P (octanol-water) | 3.510 |
| Boiling Point | 110.3 ° C |
| Henry's Law Constant | 0.075 atm-m ³ /mole |
| Vapor Pressure | 30.6 mm Hg |
| Atmospheric OH Rate Constant | 9.44E-11 cm ³ /molecule-sec |
| Water solubility | 52 mg/L |
| Melting Point | -1.20E+02 ° C |



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| Specifications | Limits |
|---------------------|---|
| Stability | Stable, but may be prone to polymerization. May be stabilized by the addition of around 10 ppm hydroquinone. Highly flammable. Incompatible with strong oxidizing agents. |
| Flash Point | 25 °F |
| Density | 0.811 g/mL at 20 °C |
| Refractive Index | 1.45 |
| Storage Temperature | Flammables area |
| Boiling Point | 110-111 °C |
| BRN Number | 1304483 |



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