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## Typical Product Specifications & Properties

# Dimethyl glutarate

CAS Number: : 1119-40-0

| Specifications               | Limits   |
|------------------------------|--|
| log P (octanol-water)        | 0.62   |
| Water solubility             | 5.90E+04 mg/L  |
| Henry's Law Constant         | 6.43E-07 atm-m <sup>3</sup> /mole  |
| Boiling Point                | 214 &deg; C  |
| Atmospheric OH Rate Constant | 3.30E-12 cm <sup>3</sup> /molecule-sec   |
| Melting Point                | -4.25E+01 &deg; C  |
| BRN Number                   | 1771444  |
| Melting Point                | -13 &deg; C  |
| Storage Temperature          | 2-8&deg;C  |
| Boiling Point                | 96-103 &deg; C/15 mm Hg  |
| Merck                        | 14&4473  |
| Stability                    | Stable. Combustible. Incompatible with acids & bases & reducing agents & oxidizing agents. |



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| Specifications   | Limits   |
|------------------|--|
| Water solubility | 53 g/L   |
| Density          | 1.09 g/mL at 25 &deg;C                           |
| Refractive Index | 1.424  |
| Flash Point      | 218 &deg;F                                       |
| Freezing Point   | -42.5?   |
| Vapor Pressure   | 0.2 mm Hg ( 20 &deg;C)                           |
| EINECS           | 214-277-2  |
| Molecular weight | 160.1678   |
| SMILES           | <chem>C(=O)(CCCC(=O)OC)OC</chem>                 |
| InChIKey         | 1S/C7H12O4/c1-10-6(8)4-3-5-7(9)11-2/h3-5H2&1-2H3 |
| InChI            | XTDYIOOONNVFMA-UHFFFAOYSA-N                      |



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