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## Typical Product Specifications & Properties

# 2-Chloro-2-Methylbutane

CAS Number: : 594-36-5

| Specifications               | Limits                             |
|------------------------------|------------------------------------|
| Molecular weight             | 106.59                             |
| EINECS                       | 209-836-2                          |
| SMILES                       | <chem>C(CC)(C)(C)Cl</chem>         |
| InChI                        | 1S/C5H11Cl/c1-4-5(2,3)6/h4H2,1-3H3 |
| InChIKey                     | CRNIHJHMEQZ AAS-UHFFFAOYSA-N       |
| Boiling Point                | 85.5 &deg; C                       |
| Melting Point                | -7.35E+01 &deg; C                  |
| Henry's Law Constant         | 0.026 atm-m3/mole                  |
| Vapor Pressure               | 188 mm Hg                          |
| log P (octanol-water)        | 2.52                               |
| Water solubility             | 329 mg/L                           |
| Atmospheric OH Rate Constant | 1.37E-12 cm3/molecule-sec          |



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| Specifications   | Limits                                                               |
|------------------|----------------------------------------------------------------------|
| Stability        | Stable. Highly flammable. Incompatible with strong oxidizing agents. |
| Flash Point      | 15 &deg;F                                                            |
| Melting Point    | -73 &deg;C                                                           |
| Water solubility | Soluble in ethanol, ethyl ether. Insoluble in water.                 |
| BRN Number       | 1696930                                                              |
| Refractive Index | 1.405                                                                |
| Boiling Point    | 85-86 &deg;C                                                         |
| Density          | 0.866 g/mL at 25 &deg;C                                              |



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