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## Typical Product Specifications & Properties

# 9-PHENYLANTHRACENE

CAS Number: : 602-55-1

| Specifications               | Limits                                                                          |
|------------------------------|---------------------------------------------------------------------------------|
| Molecular weight             | 254.33                                                                          |
| EINECS                       | 210-019-8                                                                       |
| SMILES                       | <chem>c1(c2c(cc3c1cccc3)cccc2)c1ccccc1</chem>                                   |
| InChI                        | 1S/C20H14/c1-2-8-15(9-3-1)20-18-12-6-4-10-16(18)14-17-11-5-7-13-19(17)20/h1-14H |
| InChIKey                     | LUBXLGUQZVKOFP-UHFFFAOYSA-N                                                     |
| Melting Point                | 156 &deg; C                                                                     |
| Water solubility             | 0.013 mg/L                                                                      |
| Boiling Point                | 417 &deg; C                                                                     |
| Atmospheric OH Rate Constant | 7.29E-11 cm <sup>3</sup> /molecule-sec                                          |
| Henry's Law Constant         | 3.94E-06 atm-m <sup>3</sup> /mole                                               |
| Vapor Pressure               | 9.48E-08 mm Hg                                                                  |
| log P (octanol-water)        | 6.01                                                                            |



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| Specifications | Limits          |
|----------------|-----------------|
| Sensitive      | Light Sensitive |
| Melting Point  | 153-155 °C      |
| Boiling Point  | 417°C           |



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