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## Typical Product Specifications & Properties

# Heptafluorobutyric anhydride

CAS Number : 336-59-4

| Specifications               | Limits                                                                        |
|------------------------------|-------------------------------------------------------------------------------|
| Molecular weight             | 410.06                                                                        |
| EINECS                       | 206-410-8                                                                     |
| SMILES                       | <chem>O=C(OC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)</chem>           |
| InChI                        | 1S/C8F14O3/c9-3(10,5(13,14)7(17,18)19)1(23)25-2(24)4(11,12)6(15,16)8(20,21)22 |
| InChIKey                     | UFFSXJKVKBQEHK-UHFFFAOYSA-N                                                   |
| Melting Point                | -4.30E+01 &deg; C                                                             |
| Atmospheric OH Rate Constant | 0.0 cm <sup>3</sup> /molecule-sec                                             |
| log P (octanol-water)        | 4.120                                                                         |
| Boiling Point                | 106.5 &deg; C                                                                 |
| Storage Temperature          | Room temp                                                                     |
| Density                      | 1.674 g/mL at 20 &deg;C                                                       |
| Water solubility             | REACTS                                                                        |



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| Specifications   | Limits                                                              |
|------------------|---------------------------------------------------------------------|
| Flash Point      | None                                                                |
| Solubility       | Miscible with halogenated solvents. Immiscible with polar solvents. |
| Sensitive        | Hygroscopic                                                         |
| Refractive Index | 1.287                                                               |
| Melting Point    | -43 &deg;C                                                          |
| Boiling Point    | 108-110 &deg;C                                                      |



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