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Typical Product Specifications & Properties

Suberic acid

CAS Number : 505-48-6

Specifications	Limits
Molecular weight	174.19
EINECS	208-010-9
SMILES	C(CCCCCC(O)=O)(O)=O
InChI	1S/C8H14O4/c9-7(10)5-3-1-2-4-6-8(11)12/h1-6H2,(H,9,10)(H,11,12)
InChIKey	TYFQFVWCELRYAO-UHFFFAOYSA-N
Boiling Point	345.5 ° C
log P (octanol-water)	1.210
Atmospheric OH Rate Constant	8.42E-12 cm ³ /molecule-sec
Water solubility	1.19E+04 mg/L
Melting Point	144 ° C
pKa Dissociation Constant	4.52
Henry's Law Constant	1.68E-11 atm-m ³ /mole



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Specifications	Limits
Melting Point	140-144 °C
Flash Point	203 °C
Boiling Point	230 °C/15 mm Hg
Stability	Stable. Combustible. Incompatible with strong oxidizing agents, reducing agents, bases.
Water solubility	0.6 g/L (20 °C)
Merck	14,8862
BRN Number	1210161
Storage Temperature	Store below +30°C.
Color	White to cream
Solubility	1.6g/l
Form	Powder



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