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Typical Product Specifications & Properties

(R,R)-2,3-Butanediol

CAS Number: : 24347-58-8

Specifications	Limits
Molecular weight	90.12
EINECS	246-186-9
InChI	1S/C4H10O2/c1-3(5)4(2)6/h3-6H,1-2H3/t3,4-/m0/s1
InChIKey	OWBTYPJTUOEWEK-IMJSIDKUSA-N
log P (octanol-water)	-0.360
Vapor Pressure	0.55 mm Hg
Atmospheric OH Rate Constant	1.73E-11 cm ³ /molecule-sec
Henry's Law Constant	2.30E-07 atm-m ³ /mole
Water solubility	7.59E+05 mg/L
Flash Point	185 °F
Water solubility	soluble
Alpha	-13 ° (neat)



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Specifications	Limits
BRN Number	4290593
Sensitive	Hygroscopic
Merck	14,1568
Refractive Index	1.433
Density	0.992 g/mL at 20 °C
Boiling Point	77.3-77.4 °C/10 mm Hg
Storage Temperature	-20°C
Melting Point	16 °C
Stability	Stable. Hygroscopic, air sensitive. Incompatible with strong oxidizing agents, acid anhydrides, acid chlorides, chloroformates, reducing agents. Combustible.



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