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Typical Product Specifications & Properties

(Z)-1,2-Diphenylethene

CAS Number: : 645-49-8

Specifications	Limits
Molecular weight	180.25
EINECS	211-445-7
SMILES	<chem>c1(\C=C/c2ccccc2)ccccc1</chem>
InChI	1S/C14H12/c1-3-7-13(8-4-1)11-12-14-9-5-2-6-10-14/h1-12H/b12-11-
InChIKey	PJANXHGT PQOBST-QXMHVHEDSA-N
Atmospheric OH Rate Constant	6.01E-11 cm ³ /molecule-sec
Melting Point	-5.00E+00 °C
Water solubility	4.290 mg/L
log P (octanol-water)	4.520
Henry's Law Constant	1.24E-04 atm-m ³ /mole
Vapor Pressure	0.00686 mm Hg
Merck	14,8817



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Specifications	Limits
Density	1.011 g/mL at 25 °C
BRN Number	1616739
Refractive Index	1.622
Boiling Point	82-84 °C/0.4 mm Hg
Water solubility	Immiscible with water. Miscible with ethanol.
Flash Point	>230 °F
Stability	Stable. Combustible. Incompatible with strong oxidizing agents.
Storage Temperature	2-8°C
Melting Point	-5°C



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