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Typical Product Specifications & Properties

Diphenyl Sulfide

CAS Number: : 139-66-2

Specifications	Limits
Molecular weight	186.27
EINECS	205-371-4
SMILES	<chem>c1(Sc2ccccc2)ccccc1</chem>
InChI	1S/C12H10S/c1-3-7-11(8-4-1)13-12-9-5-2-6-10-12/h1-10H
InChIKey	LTYMSROWYAPPGB-UHFFFAOYSA-N
Melting Point	-2.59E+01 ° C
log P (octanol-water)	4.45
Henry's Law Constant	3.14E-05 atm-m3/mole
Water solubility	8.120 mg/L
Boiling Point	296 ° C
Atmospheric OH Rate Constant	2.51E-11 cm3/molecule-sec
Stability	Stable. Combustible. Incompatible with strong oxidizing agents.



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Specifications	Limits
Density	1.113 g/mL at 20 °C
Refractive Index	1.6327
Boiling Point	296 °C
Merck	14,7314
Melting Point	-40 °C
BRN Number	1907932
Flash Point	>230 °F
Sensitive	Stench
Solubility	Soluble in ether, benzene, carbon disulphide.
Water solubility	insoluble



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