Benzenamine, 2,5-dichloro-

Other names:

Aniline, 2,5-dichloro-
Amarthol Fast Scarlet GG Base
Amarthol Fast Scarlet GGS Base
Azobase DCA
Azoene Fast Scarlet 2G Base
Azogene Fast Scarlet GGC
C.I. Azoic Diazo Component 3
C.I. 37010
Daito Scarlet Base GG
Devol Scarlet 2GS Base
Diazo Fast Scarlet GG
Diazol Scarlet 2Zh
Fast Red SGG Base
Fast Scarlet Base GGT
Fast Scarlet Base 2J
Fast Scarlet Base 2JS
Fast Scarlet DS Base
Fast Scarlet GG Base
Fast Scarlet GGS Base
Fast Scarlet MDC Base
Fast Scarlet 2G
Hiltonil Fast Scarlet 2G Base
Hiltonil Fast Scarlet 2GS Base
Hindamine Scarlet GG
Kambamine Scarlet GG Base
Kayaku Scarlet GG Base
Lake Scarlet GG Base
Mitsui Scarlet GG Base
Naphthanil Scarlet 2G Base
Naphtoelan Fast Scarlet GG Base
Natasol Scarlet GG Salt
Sanyo Fast Scarlet GG Base
Scarlet Base Ciba I
Scarlet Base GG
Scarlet Base NGG
Scarlet Salt Ciba I
Spectrolene Scarlet 2G
Stabamine Scarlet GG
Symulon Scarlet 2G Base
1-Amino-2,5-dichlorobenzene

2,5-Dichloro-1-aminobenzene
2,5-Dichloroaniline
p-Dichloroaniline
Amarthol fast scarlet GG salt
Azoene fast scarlet 2g salt
Azofix scarlet GG salt
Azogene fast scarlet GG (free base)
Azoic diazo component 3
Daito scarlet salt GG
Devol scarlet salt A
Devol scarlet 2GS salt
Durgasol scarlet GG salt
Fast scarlet ds salt
Fast scarlet ggs salt
Fast scarlet salt ggn
Fast scarlet salt GG
Fast scarlet GG salt
Fast scarlet 2g base
Fast scarlet 2g salt
Fast scarlet 2j salt
Hiltosal fast scarlet 2g salt
Hindasol fast scarlet GG salt
Kako scarlet GG salt
Meisei scarlet GG salt
Mitsui scarlet GG salt
Naphtoelan fast scarlet GG salt
Sanyo fast scarlet salt GG
Scarlet base irga I (free base)
Scarlet salt irga I
Scarlet salt ngg
Scarlet 2g base
Scarlet 2g salt
Symulon scarlet 2g salt
2,5-Dichloranilin
Azogene fast scarlet gg
Devol scarlet A (Free base)
2,5-Dichlorobenzenamine
2-Amino-1,4-dichlorobenzene
Benzene, 1-amino-2,5-dichloro
2,5-Dichlorophenylamine

Inchi: InChI=1S/C6H5Cl2N/c7-4-1-2-5(8)6(9)3-4/h1-3H,9H2

InchiKey: AVYGCQXNNJPXSS-UHFFFAOYSA-N

Formula: C6H5Cl2N

SMILES: Nc1cc(Cl)ccc1Cl
Mol. weight [g/mol]: 162.02
CAS: 95-82-9

Physical Properties

Property code	Value	Unit	Source
gf	135.38	kJ/mol	Joback Method
hf	48.73	kJ/mol	Joback Method
hfus	18.15	kJ/mol	Joback Method
hsub	83.40 ± 1.30	kJ/mol	NIST Webbook
hvap	51.96	kJ/mol	Joback Method
log10ws	-2.48		Crippen Method
logp	2.576		Crippen Method
mcvol	106.100	ml/mol	McGowan Method
pc	4385.77	kPa	Joback Method
rinpol	1288.00		NIST Webbook
rinpol	1284.00		NIST Webbook
rinpol	229.00		NIST Webbook
rinpol	1288.00		NIST Webbook
rinpol	1284.00		NIST Webbook
ripol	2226.00		NIST Webbook
ripol	2226.00		NIST Webbook
tb	524.20	K	NIST Webbook
tc	765.61	K	Joback Method
tf	318.03 ± 0.20	K	NIST Webbook
tf	318.05 ± 0.10	K	NIST Webbook
vc	0.391	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	191.63	J/mol×K	520.71	Joback Method
cpg	199.84	J/mol×K	561.53	Joback Method
cpg	207.47	J/mol×K	602.34	Joback Method
cpg	214.54	J/mol×K	643.16	Joback Method
cpg	221.09	J/mol×K	683.97	Joback Method
cpg	227.13	J/mol×K	724.79	Joback Method

cpg	232.70	J/mol×K	765.61	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C95829&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hsub:	Enthalpy of sublimation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume