

SOLANE

ALIPHATIC HYDROCARBON SOLVENTS C6 TO C7

Typical values ✓

PROPERTIES	UNITS	METHODS	SOLANE ISOHEXANE	SOLANE HEXANE	SOLANE HEXANE 45	SOLANE HEPTANE
DENSITY AT 15°C (59°F)	kg/m ³	ISO 12185	662	675	670	694
SAYBOLT COLOR	Saybolt color unit	ASTM D156	+30	+30	+30	+30
BOILING RANGE: INITIAL POINT	°C (°F)	ASTM D1078	55 (131)	63 (145)	65 (149)	90 (194)
FINAL POINT			61 (142)	71 (160)	69 (156)	94 (201)
FLASH POINT: ABEL	°C (°F)	ISO 13736	< -35 (< -31)	< -35 (< -31)	< -35 (< -31)	-31 (-24)
EVAPORATION RATE	Ether = 1	DIN 53170	1	2	2	3
	nBuAc = 1	ASTM D3539	0.2	-	-	0.3
AROMATIC CONTENT	mg/kg (ppm)	UV Internal method	< 20	30	< 20	< 20
N-HEXANE CONTENT	% masse	GC Internal method	1.9	45	48	0.1
BENZENE CONTENT	mg/kg (ppm)	ASTM D6229	< 1	< 1	< 1	< 1
SULPHUR CONTENT	mg/kg (ppm)	ASTM D5453	< 1	< 1	< 1	< 1
ANILINE POINT	°C (°F)	ASTM D611	75 (167)	70 (158)	71 (160)	77 (171)
PARAMETERS HANSEN	Dispersion force δD (MPa ^{1/2})		-	-	-	15.3
	Polar force δP (MPa ^{1/2})		-	-	-	0
	Hydrogen bonding force δH (MPa ^{1/2})		-	-	-	0
VAPEUR PRESSURE AT 20°C (68°F)	kPa	Calculated	26	18	18	7
VISCOSITY AT 20°C (68°F)	mm ² /s	ASTM D445	0.45	0.47	0.47	0.57
BROMINE INDEX	mg Br / 100 g	ASTM D2710	-	0.2	0.2	0.1

CARBON CHAIN LENGTH HSAP	C6	C6	C6	C7
C.A.S. NUMBER	64742-49-0 (R)	92112-69-1 (R)	92112-69-1 (R)	64742-49-0 (R)
EC NUMBER	931-254-9	925-292-5	925-292-5	927-510-4

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R: Related C.A.S. number