

FLUIDS FOR FAST EVAPORATION

TYPICAL VALUES

PROPERTIES	UNITS	METHODS	Aromatic product	Dearomatized products				
			SPIRDANE HT	SPIRDANE D 25	SPIRDANE D 30	SPIRDANE D 40	SPIRDANE D 60	SPIRDANE D 60 HN
DENSITY AT 15°C (59°F)	kg/m ³	ISO 12185	788	772	780	793	806	825
SAYBOLT COLOR	Unit color Saybolt	ASTM D156	+30	+30	+30	+30	+30	+30
BOILING RANGE: INITIAL POINT	°C (°F)	ASTM D86	158 (316)	138 (280)	148 (298)	154 (309)	185 (365)	183 (361)
			FINAL POINT	191 (376)	161 (322)	172 (342)	199 (392)	216 (421)
FLASH POINT: PM	°C (°F)	ASTM D93				44 (111)	66 (151)	66 (151)
ABEL		ISO 13736	47 (117)	24 (75)	32 (90)			
EVAPORATION RATE	Ether= 1	DIN 53170	31	13	17	29	102	158
AROMATIC CONTENT	mg/kg (ppm)	UV Internal method		<20	<20	<20	<20	<20
	% Vol	IP 391	18					
BENZENE CONTENT	mg/kg (ppm)	ASTM D6229	<50	<1	<1	<1	<1	<1
ANILINE POINT	°C (°F)	ASTM D611	54 (129)	60 (140)	62 (144)	63 (145)	67 (153)	63 (145)
PARAMETERS HANSEN	Dispersion force δD (MPa ^{1/2})		16.0	15.7	15.8	15.9	16.0	16.3
	Polar force δP (MPa ^{1/2})		0.4	0.1	0.1	0.1	0.1	0.1
	Hydrogen bonding force δH (MPa ^{1/2})		0.5	0.1	0.1	0.1	0.1	0.1
VAPEUR PRESSURE AT 20°C (68°F)	kPa	Calculated	0.18	0.55	0.38	0.21	0.04	0.04
SURFACE TENSION AT 20°C (68°F)	mN/m	NF EN 14370	24.4	23.2	23.5	23.7	25.1	30.3
REFRACTIVE INDEX AT 20°C (68°F)	-	ASTM D1218	1.4360	1.4252	1.4285	1.4323	1.4434	1.4491
VISCOSITY AT 20°C (68°F)	mm ² /s	ASTM D445	1.2	1.1	1.2	1.4	1.9	2.0
CARBON CHAIN LENGTH HSPA			C9 - C12	C8 - C9	C9 - C11	C9 - C11	C10 - C13	C10 - C13
C.A.S. NUMBER			64742-82-1 (R)	64742-48-9 (R)	64742-48-9 (R)	64742-48-9 (R)	64742-48-9 (R)	64742-48-9 (R)
EC NUMBER			919-446-0	932-020-9	919-857-5	919-857-5	918-481-9	918-481-9

Data provided in this table is issued in good faith to the best of our knowledge, but no warranty, expressed or implied is given.
R: Related C.A.S. number