

Cyclo-aliphatic hydrocarbon solvents



Solane

Typical values

PROPERTIES	UNITS	METHODS	SOLANE CYCLOPENTANE	SOLANE CYCLOHEXANE	SOLANE 75-95N	SOLANE METHYL-CYCLOHEXANE	SOLANE 100-130N
DENSITY AT 15°C	kg/m ³	EN ISO 12185	748	782	763	774	766
SAYBOLT COLOUR	-	ASTM D 156	+30	+30	+30	+30	+30
BOILING RANGE : - INITIAL POINT	°C (°F)	ASTM D 86	48,5 (119,3)	80,6 (177,1)	80,0 (176)	100,6 (213,1)	104,0 (219)
- DRY POINT			49,0 (120,2)	80,7 (177,3)	87,0 (189)	103,7 (218,7)	130,0 (266)
FLASH POINT PM	°C (°F)	ASTM D93	-37 (-35)	-20 (-4)	-15 (5)	-6 (21)	1 (34)
EVAPORATION RATE	Ether=1	DIN 53170	1,5	2,0	2,5	5,0	6,0
AROMATIC CONTENT	ppm	UV TOTAL IL 013		10	10	15	5
CYCLOPARAFFIN CONTENT	% weight	GC-MS	98,5	99,9	85,0	99,3	91,0
N-HEXANE CONTENT	% weight	GC		0,01	1,80		0,02
BENZENE CONTENT	ppm	ASTM D 4367	<1	<1	<1	<1	<1
SULPHUR CONTENT	ppm	ASTM D 5453	<1	<1	<1	<1	<1
ANILINE POINT	°C (°F)	ASTM D 611	18 (64)	31 (88)	36 (97)	40 (104)	47 (117)
VAPOUR PRESSURE AT 20°C	kPa	calculated	38,0	11,0	11,0	4,6	3,1
VISCOSITY AT 20°C	mm ² /s (cSt)	ASTM D 445	0,4	0,8	0,8	0,9	0,9
C.A.S NUMBER			287-92-3	110-82-7	64742-49-0	108-87-2	64742-48-9
E.I.N.E.C.S / EEC NUMBER			206-016-6	203-806-2	265-151-9	203-624-3	265-150-3

Data provided in this table is issued in good faith to the best of our knowledge, but no warranty, expressed or implied, is given.

	Density at 15°C	Colour saybolt	Boiling range : initial point	Boiling range : dry point	Flash point	Evaporation rate	Aromatic content		Aniline point	Vapor pressure at 20°C	Viscosity at 20°C	Pour point
UNITS	kg/m³	-	°C (°F)	°C (°F)	°C (°F)	Ether=1	ppm	% vol	°C (°F)	kPa	mm²/s (cSt)	°C (°F)
METHODS	ASTM D 4052	ASTM D 156	ASTM D 86		ASTM D93	DIN 53170	TOTAL IL 013	IP 391	ASTM D 611	calculated	ASTM D 445	ASTM D 97
SPECIAL BOILING POINT SPIRITS	Note : all SBP's contain less than 1 ppm benzene and sulphur											
SOLANE PENTANE 15	630	30	33 (91)	36 (97)	<-40 (<-40)	1	10		-	65	0.4	
SOLANE PENTANE 22	630	30	33 (91)	36 (97)	<-40 (<-40)	1	10		-	66	0.4	
SOLANE ISOHEXANE	659	30	51 (124)	61 (142)	<-30 (<-22)	1.3	10		70 (158)	29	0.5	
SOLANE HEXANE 36	669	30	65* (149)	70* (158)	-27 (-17)	1.5	5		67 (153)	19	0.5	
SOLANE HEXANE 45	669	30	66* (151)	70* (158)	-27 (-17)	1.5	5		67 (153)	19	0.5	
SOLANE HEPTANE	693	30	90 (194)	94 (201)	-7 (19)	2.8	3		68 (154)	7.1	0.6	
SOLANE 60-95	682	30	62 (144)	94 (201)	-26 (-15)	2	1		69 (156)	11.0	0.5	
SOLANE 70-95	699	30	72 (162)	89 (192)	-15 (5)	2	3		59 (138)	12.6	0.6	
SOLANE 80-110	694	30	84 (183)	108 (226)	-12 (10)	3	2		68 (154)	7.1	0.7	
SOLANE 100-120	728	30	102 (216)	123 (253)	2 (36)	6	3		59 (138)	3.1	0.7	
SOLANE 100-140	729	30	103 (217)	137 (279)	4 (39)	8	2		60 (140)	2.8	0.7	
SOLANE 100-155	737	30	105 (221)	158 (316)	7 (45)	12	2		60 (140)	1.8	0.8	
Naphthenic SBP's	Note : all naphthenic SBP's contain less than 1 ppm benzene and sulphur											
SOLANE CYCLOPENTANE	748	30	48.5 (119.3)	49.0 (120.2)	-37 (-35)	1.5			18 (64)	38	0.4	
SOLANE CYCLOHEXANE	782	30	80.6 (177.1)	80.7 (177.3)	-20 (-4)	2	10		31 (88)	11	0.8	
SOLANE 75-95N	763	30	80 (176)	87 (189)	-15 (5)	2.5	10		36 (97)	11	0.8	
SOLANE METHYLCYCLOHEXANE	774	30	100.6 (213.1)	103.7 (218.7)	-6 (21)	5	15		40 (104)	4.6	0.9	
SOLANE 100-130N	766	30	104 (219)	130 (266)	1 (34)	6	5		47 (117)	3.1	0.9	
WHITE SPIRITS	Note : all white spirits contain less than 1 ppm benzene, except spidane HT < 10 ppm and Spirdane K2 < 3 ppm											
SPIRDANE HT	786	30	155 (311)	199 (390)	45 (113)	65		17	56 (133)	0.254	1.2	
SPIRDANE K2	800	30	182 (360)	215 (419)	64 (147)	200		17	62 (144)	0.063	1.7	
SPIRDANE L1	748	30	137 (279)	157 (315)	24 (75)	22	100		66 (151)	0.722	0.9	
SPIRDANE D25	771	30	143 (289)	163 (325)	28 (82)	22	50		63 (145)	0.438	0.9	
SPIRDANE D30	771	30	148 (298)	172 (342)	38 (100)	27	100		67 (153)	0.431	1.1	
SPIRDANE D40	775	30	156 (313)	198 (388)	44 (111)	65	100		68 (154)	0.250	1.3	
SPIRDANE D60	791	30	182 (360)	216 (421)	65 (149)	200	100		73 (163)	0.059	1.7	
SPIRDANE D60L	778	30	176 (349)	194 (381)	59 (138)	115	100		72 (162)	0.110	1.7	
KEROSENES	Note : all kerosenes contain less than 1 ppm benzene and less than 2 ppm sulphur, except Ketrul HT < 5 ppm and ketrul 212 < 10 ppm											
KETRUL HT	800	29	188 (370)	249 (480)	68 (154)	550		16	64 (147)	0.035	2.0	
KETRUL 212	814	30	220 (428)	246 (475)	92 (198)	1000		17	67 (153)	0.011	2.5	
KETRUL D 70	802	30	187 (369)	245 (473)	68 (154)	550	50		70 (158)	0.031	2.1	
KETRUL D 75	809	30	199 (390)	253 (487)	77 (171)	600	85		71 (160)	0.016	2.4	
KETRUL D 80	817	30	201 (394)	239 (462)	76 (169)	800	5		70 (158)	0.016	2.4	
KETRUL D 85	816	30	213 (415)	241 (466)	85 (185)	1000	3		72 (162)	0.012	2.7	
KETRUL 220	805	30	221 (430)	236 (457)	92 (198)	900	100		76 (169)	0.011	2.7	
KETRUL D 100	810	30	233 (451)	264 (507)	103 (217)	> 1000	10		80 (176)	0.003	3.4	
GASOIL	Note : all gasoils do not contain benzene and contain less than 2 ppm sulphur											
HYDROSEAL G 232 H	820	30	236 (457)	262 (504)	103 (217)		30		78 (172)	0.002	3.6	-50 (-58)
HYDROSEAL G 240 H	817	30	254 (489)	282 (540)	116 (241)		30		84 (183)	0.0008	4.5	-40 (-40)
HYDROSEAL G 250 H	816	30	256 (493)	329 (624)	119 (246)		50		91 (196)	0.0003	5.8	-25 (-13)
HYDROSEAL G270 H	811	30	260 (500)	291 (556)	123 (253)		50		87 (189)	0.0005	4.9	-33 (-27)
HYDROSEAL G 3 H	815	30	278 (532)	322 (612)	136 (277)		50		92 (198)	0.0001	7.0	-19 (-2)
HYDROSEAL G 400 H	817	30	304 (579)	347 (657)	159 (318)		80		101 (214)	< 0.0001	11	-2 (28)
HYDROSEAL G 290 H	823	30	289 (552)	373 (703)	149 (300)		100		103 (217)	< 0.0001	14	-42 (-44)
HYDROSEAL G 300 H	822	30	295 (563)	378 (712)	151 (304)		100		102 (216)	< 0.0001	13	-18 (0)
ISOPARAFFINS	Note : all Isoparaffins do not contain benzene and contain less than 2ppm sulphur											
ISANE IP 155	746	30	158 (316)	174 (345)	44 (111)	36	1		78	0.25	1.2	<-50 (<-58)
ISANE IP 170	760	30	176 (349)	205 (401)	58 (136)	100	1		80	0.08	1.7	<-50 (<-58)
ISANE IP 175	763	30	185 (365)	196 (385)	64 (147)	120	1		81	0.06	1.4	<-50 (<-58)
ISANE IP 175 T	762	30	181 (358)	194 (381)	63 (145)	120	1		80	0.07	1.4	<-50 (<-58)
ISANE IP 185	765	30	187 (369)	206 (403)	66 (151)	200	1		81	0.05	1.5	<-50 (<-58)
ISANE IP 185 T	766	30	190 (374)	208 (406)	67 (153)	200	1		80	0.05	1.5	<-50 (<-58)
AROMATICS	% mas. NF M07024											
TOLUENE	870	30	110.2 (230.4)	111 (232)	4 (39)	6		99.6			0.7	
XYLENE	870	30	137.7 (280)	142 (288)	26 (79)	15		99.8			0.75	
ORTHO-XYLENE	883	30	144 (291)	145 (293)	25 (77)	15		99.7			0.75	
SOLVAREX 9	875	30	160 (320)	175 (347)	43 (109)	36		99.5			0.95	
SOLVAREX 10	890	30	188 (370)	215 (419)	68 (154)	130		99			1.3	
SOLVAREX 10 LN	890	30	185 (365)	200 (392)	65 (149)	150		99.5			1.15	