



RE-DEFINING HORIZONS



AN ISO 9001 : 2008
AN ISO 14001 : 2004
CERTIFIED GROUP

HD1 GRADE

'HD1' is a chlorinated paraffin based on a refined C13-C20 paraffin. It is a versatile and low colour grade used in a number of industries and applications ranging from use as a secondary plasticiser and flame retardant additive in PVC to use in paints, sealants and adhesives.

Further information may be obtained from the website 'www.shiva-group.com'.

'HD1' is not classified as hazardous for transport or use and is available in HmHDPE/STEEL drums of 260 kgs nett weight or in bulk isotainers.

TECHNICAL DATA SHEET OF C13-C20 BASED CP PLASTICISER

GRADE	<u>HD1 38</u>	<u>HD1 40</u>	<u>HD1 42</u>	<u>HD1 45</u>	<u>HD1 48</u>	<u>HD1 50</u>	<u>HD1 52</u>	<u>HD1 55</u>	<u>HD1 58</u>	<u>HD1 60</u>	<u>HD1 62</u>
SP.GVT @ 25 DEGREES CELCIUS	1170	1200	1220	1250	1280	1300	1320	1350	1380	1400	1420
COLOUR HAZEN (Hu)	35	45	50	50	60	70	80	80	120	130	145
CHLORNE CONTENT (%W/W)	45.1%	48%	49%	50%	52%	53%	55%	58%	62%	64%	66%
VISCOSITY (30 DEG) POISE (BROOKFIELD)	8	11	14	15	18	30	50	90	>175	NA	NA
FREE MINERAL ACIDITY	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.00010
FREE CHLORINE	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
VOLATILE LOSS (130 DEG/3 HRS) %	0.2 MAX	0.2 MAX	0.2 MAX	0.2 MAX	0.2 MAX	0.15 MAX	0.15 MAX	0.15 MAX	0.1 MAX	0.1 MAX	0.1 MAX
HEAT STABILITY (180 DEG/30 MIN)	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW	DEEP YELLOW
PH VALUE	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
REFRACTIVE INDEX (@ 27 DEG)	1.48	1.49	1.50	1.54	1.55	1.57	1.575	1.580	1.590	1.595	1.595

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