



RE-DEFINING HORIZONS



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

HD5 GRADE

'HD5' is a chlorinated paraffin based on a refined C14-C22 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'.

'HD5' 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 C14-C22 BASED CP PLASTICISER

GRADE	<u>HD5 38</u>	<u>HD5 40</u>	<u>HD5 42</u>	<u>HD5 45</u>	<u>HD5 48</u>	<u>HD5 50</u>	<u>HD5 52</u>	<u>HD5 55</u>	<u>HD5 58</u>	<u>HD5 60</u>	<u>HD5 62</u>
SP.GVT @ 25 DEGREES CELCIUS	1170	1200	1220	1250	1280	1300	1320	1350	1380	1400	1420
COLOUR HAZEN (Hu)	40	50	55	55	65	80	90	95	125	145	155
CHLORNE CONTENT (%W/W)	44.8%	47.5%	48.5%	49.6%	51.5%	52.8%	54.7%	57.9%	61.4%	63.5%	65.2%
VISCOSITY (30 DEG) POISE (BROOKFIELD)	10	13	17	19	22	35	58	100	>175	>175	>175
FREE MINERAL ACIDITY	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
FREE CHLORINE	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
VOLATILE LOSS (130 DEG/3 HRS) %	0.4 MAX	0.4 MAX	0.4 MAX	0.4 MAX	0.4 MAX	0.30 MAX	0.30 MAX	0.30 MAX	0.30 MAX	0.20 MAX	0.20 MAX
HEAT STABILITY (180 DEG/20 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	1.42	1.44	1.46	1.500	1.510	1.540	1.565	1.595	1.600	1.620

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