



Rhushabh Chemicals

Bringing Color to your Style

PHYSICAL AND ANALYTICAL DATA

LA (C12-14 FATTY ALCOHOL ETHOXYLATE)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	IODINE VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
LA-2	Clear, essentially colourless liquid	195-203	-	6.3	1.0	1
LA-2.5	Clear, essentially colourless liquid	180-187	-	7.3	1.0	1
LA-3	Clear, essentially colourless liquid	168-175	-	8.17	1.0	1
LA-4	Clear, essentially colourless liquid	148-154	-	9.6	1.0	1
LA-5	Clear, essentially colourless liquid	132-137	-	10.7	1.0	1
LA-6.5	Clear, essentially colourless liquid	114-120	-	12	1.0	1
LA-8	Clear, essentially colourless liquid	100-106	-	12.98	1.0	1
LA-9	Clear, essentially colourless liquid	92-98	-	13.49	1.0	1
LA-10	Clear, essentially colourless liquid	86-72	-	13.94	1.0	1
LA-15	White soft paste	64-70	-	15.5	1.0	1
LA-20	White to off white waxy solid	51-56	-	16.43	1.0	1
LA-23	White to off white waxy solid	45-51	-	16.83	1.0	1
LA-25	White to off white waxy solid	42-47	-	17.04	1.0	1
LA-30	White to off white waxy solid	36-42	-	17.47	1.0	1

LE - LAURYL ALCOHOL (98%) ETHOXYLATE (LAURYL ETHER)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	IODINE VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
LE-2	Clear, essentially colourless liquid	204±5	-	6.4	1.0	1
LE-2.5	Clear, essentially colourless liquid	188±5	-	7.4	1.0	1
LE-3	Clear, essentially colourless liquid	175±5	-	8.3	1.0	1
LE-4	Clear, essentially colourless liquid	154±5	-	9.7	1.0	1
LE-5	Clear, essentially colourless liquid	137±5	-	10.8	1.0	1
LE-6.5	Clear, essentially colourless liquid	118±5	-	12.1	1.0	1
LE-8	Clear, essentially colourless liquid	104±5	-	13.05	1.0	1
LE-9	Clear, essentially colourless liquid	96±5	-	13.6	1.0	1
LE-10	Clear, essentially colourless liquid	89±5	-	14.05	1.0	1
LE-15	White soft paste	66±5	-	15.6	1.0	1
LE-20	White to off white waxy solid	52±5	-	16.5	1.0	1
LE-23	White to off white waxy solid	46±5	-	16.9	1.0	1
LE-25	White to off white waxy solid	43±5	-	17.10	1.0	1
LE-30	White to off white waxy solid	37±5	-	17.5	1.0	1



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LSA - LAURYL STEARYL ALCOHOL ETHOXYLATE(C12-18 ALCOHOL)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	IODINE VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
LSA-2	Colourless liquid	192±5	-	5.9	1.0	100
LSA-3	Colourless liquid	167±5	-	7.7	1.0	100
LSA-5	Colourless liquid	133±5	-	10.2	1.0	100
LSA-6	Colourless liquid	121±5	-	11.1	1.0	100
LSA-6.5	Colourless liquid	115±5	-	11.5	1.0	100
LSA-7	Colourless liquid	110±5	-	11.9	1.0	100
LSA-8	Colourless liquid	102±5	-	12.5	1.0	100
LSA-9	White soft paste	94±5	-	13	1.0	100
LSA-10	White soft paste	88±5	-	13.5	1.0	100
LSA-15	White soft paste	66±5	-	15.2	1.0	100
LSA-20	White waxy solid	52±5	-	16.1	1.0	100
LSA-25	White waxy solid	43±5	-	16.8	1.0	100
LSA-30	White waxy solid	37±5	-	17.3	1.0	100

LOA (C12-15 ALCOHOL ETHOXYLATE)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	PH	HLB	E.O/ALC MOLE RATIO	ACTIVE CONTAIN
LOA-3	Clear colourless liquid	167±5	6.0-7.5	8.0	3	99.4 -99.7
LOA-5	Clear colourless liquid	133±5	6.0-7.5	10.4	5	99.4 -99.7
LOA-7	Clear colourless liquid	109±5	6.0-7.5	12	7	99.4 -99.7
LOA-9	Clear colourless liquid to slightly hazy	93±5	6.0-7.5	13.2	9	99.4 -99.7
LOA-10	Clear colourless liquid to slightly hazy	81±5	6.0-7.5	14	10	99.4 -99.7

LTA (C12-13 ALCOHOL ETHOXYLATE)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	PH	HLB	E.O/ALC MOLE RATIO	ACTIVE CONTAIN
LTA-1	Clear to colourless liquid	235±5	6.0-7.5	3.7	1	99.4 -99.7
LTA-2	Clear to colourless liquid	199±5	6.0-7.5	6.2	2	99.4 -99.7
LTA-3	Clear to colourless liquid	172±5	6.0-7.5	8.1	3	99.4 -99.7
LTA-5	Clear to colourless liquid	135±5	6.0-7.5	10.7	5	99.4 -99.7
LTA-6	Clear to colourless liquid	122±5	6.0-7.5	11.5	6	99.4 -99.7
LTA-6.5	Clear to colourless liquid	116±5	6.0-7.5	12	6.5	99.4 -99.7



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DA (DECYL ALCOHOL ETHOXYLATE)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	IODINE VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
DA-5	Clear colourless liquid	140-150	-	11.67	1.0	1
DA-6	Clear colourless liquid	125-135	-	12.51	1.0	1
DA-6.5	Clear colourless liquid	120-130	-	12.88	1.0	1
DA-7	Clear colourless liquid	113-123	-	13.22	1.0	1
DA-8	Clear colourless liquid	103-113	-	13.81	1.0	1
DA-9	Clear colourless liquid	95-105	-	14.3	1.0	1
DA-10	Clear colourless liquid	87-97	-	14.71	1.0	1
DA-15	White soft paste	62-72	-	16.15	1.0	1
DA-20	White soft paste	48-58	-	16.97	1.0	1
DA-25	White soft paste	38-48	-	17.5	1.0	1
DA-30	White soft paste	32-42	-	17.87	1.0	1

TA (TRIDECYL ALCOHOL ETHOXYLATE)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	IODINE VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
TA-2	Colourless liquid	188-204	-	6.21	1.0	100
TA-2.5	Colourless liquid	175-190	-	7.18	1.0	100
TA-3.0	Colourless liquid	165-177	-	7.95	1.0	100
TA-5.0	Colourless liquid	130-140	-	10.48	1.0	100
TA-6.0	Colourless liquid	118-128	-	11.38	1.0	100
TA-6.5	Colourless liquid	113-123	-	11.77	1.0	100
TA-7.0	Colourless liquid	108-118	-	12.13	1.0	100
TA-8.0	Colourless liquid	99-109	-	12.75	1.0	100
TA-9.0	White soft paste	90-99	-	13.31	1.0	100
TA-10	White soft paste	85-93	-	13.75	1.0	100
TA-15	White waxy solid	63-71	-	15.35	1.0	100
TA-20	White waxy solid	50-57	-	16.3	1.0	100
TA-25	White waxy solid	42-48	-	16.92	1.0	100
TA-30	White waxy solid	36-42	-	17.37	1.0	100



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ODA - OCTADECYL ALCOHOL ETHOXYLATE (C 8-10 ALCOHOL)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
ODA-2	Colourless liquid	229±5	7.26	1.0	1
ODA-3	Colourless liquid	195±5	9.19	1.0	1
ODA-5	White soft paste	148±5	11.74	1.0	1
ODA-6	White soft solid	133±5	12.6	1.0	1
ODA-10	White waxy solid	93±5	14.8	1.0	1
ODA-20	White waxy solid	54±5	17.0	1.0	1
ODA-25	White waxy solid	44±5	17.53	1.0	1
ODA-30	White waxy solid	37±5	17.9	1.0	1

NUA (C9-11 ALCOHOL ETHOXYLATE)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	PH	HLB	E.O/ALC MOLE RATIO	ACTIVE CONTAIN
NUA-2.5	Clear colourless liquid	207±5	6.0-7.5	8.2	2.5	99.4 -99.7
NUA-3	Clear colourless liquid	191±5	6.0-7.5	9.1	3	99.4 -99.7
NUA-5	Clear colourless liquid	147±5	6.0-7.5	11.6	5	99.4 -99.7
NUA-6	Clear colourless liquid	132±5	6.0-7.5	12.5	6	99.4 -99.7
NUA-8	Clear colourless liquid to slightly hazy	109±5	6.0-7.5	13.8	8	99.4 -99.7
NUA-10	Clear colourless liquid	93±5	6.0-7.5	14.7	10	99.4 -99.7

UDA - UNDECYL ALCOHOL ETHOXYLATE (C11 ALCOHOL)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	PH	HLB	E.O/ALC MOLE RATIO	ACTIVE CONTAIN
UDA-3	Clear colourless liquid	183±5	6.0-7.5	8.7	3	99.4 -99.7
UDA-5	Clear colourless liquid	142±5	6.0-7.5	11.2	5	99.4 -99.7
UDA-7	Clear colourless liquid	116±5	6.0-7.5	12.8	7	99.4 -99.7
UDA-9	Clear colourless liquid	98±5	6.0-7.5	14	9	99.4 -99.7
UDA-10	Clear colourless liquid	92±5	6.0-7.5	14.4	10	99.4 -99.7



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UMOA (C11-14-15 ALCOHOL ETHOXYLATE)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	PH	HLB	E.O/ALC MOLE RATIO	ACTIVE CONTAIN
UMOA-2	Clear colourless liquid	191±5	6.0-7.5	6	2	99.4 -99.7
UMOA-4	Clear colourless liquid	147±5	6.0-7.5	9.3	4	99.4 -99.7
UMOA-6	Clear colourless liquid	125±5	6.0-7.5	11	6	99.4 -99.7

MOA (C14-15 ALCOHOL ETHOXYLATE)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	PH	HLB	E.O/ALC MOLE RATIO	ACTIVE CONTAIN
MOA-2	Clear to colourless liquid	181±5	6.0-7.5	5.7	2	99.4 -99.7
MOA-4	Clear to colourless liquid	141±5	6.0-7.5	8.9	4	99.4 -99.7
MOA-5	Clear to colourless liquid	127±5	6.0-7.5	10.0	5	99.4 -99.7
MOA-7	Clear to hazy liquid	105±5	6.0-7.5	11.7	7	99.4 -99.7
MOA-8	Clear to colourless liquid/soft paste	97±5	6.0-7.5	12.3	8	99.4 -99.7
MOA-9	White soft paste	90±5	6.0-7.5	12.9	9	99.4 -99.7
MOA-10	White soft paste	84±5	6.0-7.5	13.3	10	99.4 -99.7

MA (MYRISTYL ALCOHOL ETHOXYLATE)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	IODINE VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
MA-2	Clear to slightly hazy, colourless liquid	182-187	-	5.92	1.0	1
MA-2.5	Clear to slightly hazy, colourless liquid	170-175	-	6.84	1.0	1
MA-3.0	Clear to slightly hazy, colourless liquid	159-164	-	7.65	1.0	1
MA-5.0	Opaque white to off white liquid	127-132	-	10.15	1.0	1
MA-10	Clear to colourless liquid/ soft paste	84-89	-	13.46	1.0	1
MA-15	White soft paste	63-68	-	15.1	1.0	1
MA-20	White waxy liquid	50-55	-	16.1	1.0	1
MA-25	White waxy liquid	42-47	-	16.75	1.0	1
MA-30	White waxy liquid	36-41	-	17.22	1.0	1



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CSA (CETOSTEARYL ALCOHOL ETHOXYLATE)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	IODINE VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
CSA-2	White waxy solid	153-163	1.0	5.08	1.0	1
CSA-5	White soft solid	110-120	1.0	9.13	1.0	1
CSA-10	White soft solid	75-85	1.0	12.51	1.0	1
CSA-15	White soft solid	58-68	2.0	14.29	1.0	1
CSA-20	White waxy solid	47-55	2.0	15.38	1.0	1
CSA-23	White waxy solid	42-50	2.0	15.88	1.0	1
CSA-25	White waxy solid	39-45	2.0	16.13	1.0	1
CSA-30	White waxy solid	34-38	2.0	16.67	1.0	1
CSA-40	White waxy solid	26-31	2.0	17.39	1.0	1
CSA-50	White waxy solid	22-26	2.0	17.86	1.0	1

CA (CETYL ALCOHOL ETHOXYLATE)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	IODINE VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
CA-2	White waxy solid	165-175	-	5.4	1.0	1
CA-5	White translucent soft solid	118-128	-	9.53	1.0	1
CA-10	White turbid liquid/ soft paste	80-88	-	12.91	1.0	1
CA-15	White soft paste	60-68	-	14.64	1.0	1
CA-20	White waxy solid	48-52	-	15.68	1.0	1
CA-25	White waxy solid	40-45	-	16.39	1.0	1
CA-30	White waxy solid	34-40	-	16.90	1.0	1

SA (STEARYL ALCOHOL ETHOXYLATE)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	IODINE VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
SA-2	White translucent plastic wax	150-160	-	4.96	1.0	1
SA-5	White translucent soft solid	110-118	-	8.95	1.0	1
SA-10	White turbid liquid/ soft paste	76-82	-	12.34	1.0	1
SA-15	White waxy solid	58-64	-	14.15	1.0	1
SA-20	White waxy solid	47-53	-	15.26	1.0	1
SA-25	White waxy solid	39-45	-	16.02	1.0	1
SA-30	White waxy solid	34-39	-	16.58	1.0	1



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SBA - STEARYL BEHENYL ALCOHOL ETHOXYLATE(C18-22 ALCOHOL)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	IODINE VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
SA-2	White waxy solid	143±5	-	4.5	1.0	1
SA-5	White translucent soft solid	106±5	-	8.44	1.0	1
SA-10	White soft solid	75±5	-	11.87	1.0	1
SA-15	White soft solid	58±5	-	13.73	1.0	1
SA-20	White waxy solid	47±5	-	14.90	1.0	1
SA-25	White waxy solid	39±5	-	15.75	1.0	1
SA-30	White waxy solid	34±5	-	16.30	1.0	1

BA - BEHENYL ALCOHOL ETHOXYLATE(C 22 ALCOHOL)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	IODINE VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
BA-2	White translucent plastic wax	137±5	-	4.3	1.0	1
BA-5	White translucent soft solid	103±5	-	8.2	1.0	1
BA-10	White waxy solid	73±5	-	11.6	1.0	1
BA-15	White waxy solid	57±5	-	13.5	1.0	1
BA-20	White waxy solid	46±5	-	14.7	1.0	1
BA-25	White waxy solid	39±5	-	15.5	1.0	1
BA-30	White waxy solid	34±5	-	16.1	1.0	1



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OA (OLEYL ALCOHOL ETHOXYLATE)

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	IODINE VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
OA-2	Clear to slightly hazy, colourless to pale yellow liquid	156-171	65-73	4.96	0.5	200
OA-2.5	Clear to slightly hazy, colourless to pale yellow liquid	148-163	61-69	5.82	0.5	200
OA-3.0	Clear to slightly hazy, colourless to pale yellow liquid	139-153	58-66	6.67	0.5	200
OA-5.0	Opaque white to off white liquid	115-130	48-56	9.01	0.5	200
OA-10	White turbid liquid/ soft paste	78-88	33-38	12.45	0.5	200
OA-15	White soft paste	60-70	25-33	14.22	0.5	200
OA-20	White soft solid	48-58	20-28	15.35	0.5	200
OA-25	White soft solid	40-50	17-25	16.08	0.5	200
OA-30	White soft solid	34-42	15-23	16.64	0.5	200
OA-65	White soft solid	20-23	8-10	18.28	0.5	100

OCA –OLEYL CETYL (50/55) ALCOHOL ETHOXYLATE

RHU CHEM	APPEARANCE at 25° c	PH VALUE	IODINE VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
OCA-2	Clear to slightly hazy, colourless to pale yellow liquid	6.0-7.5	36-40	5.19	0.5	150
OCA-2.5	Clear to slightly hazy, colourless to pale yellow liquid	6.0-7.5	34-38	6.01	0.5	150
OCA-5	Opaque white to off white liquid	6.0-7.5	25-29	9.25	0.5	150
OCA-6.5	Opaque white to off white liquid	6.0-7.5	22-26	10.57	0.5	150
OCA-10	White soft paste	6.0-7.5	17-21	12.67	0.5	150
OCA-15	White soft paste	6.0-7.5	12-16	14.43	0.5	150
OCA-20	White waxy solid	6.0-7.5	10-14	15.51	0.5	150

OCCA - OLEYL CETYL ALCOHOL(80/85) ETHOXYLATE

RHU CHEM	APPEARANCE at 25° c	HYDROXYL VALUE	IODINE VALUE	HLB	ACID VALUE MAX	COLOR GARDNER MAX
CA-2	White waxy solid	165-175	-	5.4	1.0	1
CA-5	White translucent soft solid	118-128	-	9.53	1.0	1
CA-10	White turbid liquid/ soft paste	80-88	-	12.91	1.0	1
CA-15	White soft paste	60-68	-	14.64	1.0	1
CA-20	White waxy solid	48-52	-	15.68	1.0	1
CA-25	White waxy solid	40-45	-	16.39	1.0	1
CA-30	White waxy solid	34-40	-	16.90	1.0	1



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Note: Above RHU CHEM Range are the running products. We can produce higher moles on customer specific demand and specifications can be altered as per customer requirement.

Thank you