



Castor Oil Ethoxylates (CAS# 61791-12-6)

Product Code	Appearance @ 25°C	Color Gardner	Saponification Value	HLB	Active Content %
COE-2.5	Clear to Viscous Liquid	5.00 Max.	145 - 150	2.14	99.50%
COE-5	Clear to Viscous Liquid	5.00 Max.	140 - 150	3.87	99.50%
COE-10	Clear to Viscous Liquid	5.00 Max.	110 - 120	6.49	99.50%
COE-15	Clear to Viscous Liquid	5.00 Max.	95 - 105	8.29	99.50%
COE-20	Clear to Viscous Liquid	5.00 Max.	80 - 90	9.80	99.50%
COE-25	Clear to Viscous Liquid	5.00 Max.	70 - 78	10.80	99.50%
COE-30	Clear to Viscous Liquid	5.00 Max.	70 - 78	11.70	99.50%
COE-32	Clear to Viscous Liquid	5.00 Max.	70 - 76	12.00	99.50%
COE-34	Clear to Viscous Liquid	5.00 Max.	60 - 70	12.30	99.50%
COE-35	Clear to Viscous Liquid	5.00 Max.	60 - 70	12.45	99.50%
COE-36	Clear to Viscous Liquid	5.00 Max.	60 - 70	12.60	99.50%
COE-40	Clear to Viscous Liquid	5.00 Max.	50 - 60	13.10	99.50%
COE-48	Clear to Semi Solid	5.00 Max.	47 - 55	13.87	99.50%
COE-50	Clear Yellow to Semi Solid	5.00 Max.	45 - 55	14.04	99.50%
COE-54	Yellow Color Semi Solid	5.00 Max.	45 - 60	14.40	99.50%
COE-60	Clear to Semi Solid	5.00 Max.	45 - 55	14.80	99.50%
COE-70	Waxy Solid	5.00 Max.	40 - 50	15.30	99.50%
COE-80	Waxy Solid	5.00 Max.	30 - 40	15.80	99.50%
COE-200	Waxy Solid	5.00 Max.	10 - 20	18.10	99.50%
COE-200 (50%)	Clear Viscous Liquid	5.00 Max.	10 - 20	18.10	Min. 50.00%

**Exel Chemicals (India) Pvt. Ltd.**

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Hydrogenated Castor Oil Ethoxylates (CAS# 61788-85-0)

Product Code	Appearance @ 25°C	Saponification Value	HLB	Acid Value	Active Content %
HCO-16	Clear to Slight Hazy Liquid	95 - 105	8.58	Max. 2.00	99.50%
HCO-20	Clear Liquid	80 - 88	9.70	Max. 2.00	99.50%
HCO-25	Clear Liquid	75 - 85	10.80	Max. 2.00	99.50%
HCO-38	Semi Liquid	60 - 67	12.80	Max. 2.00	99.50%
HCO-40 (Liquid)	Clear Liquid	45 - 69	13.05	Max. 2.00	98.00%
HCO-40 (Paste)	Semi Liquid	50 - 60	13.05	Max. 2.00	99.50%
HCO-48	Semi Liquid	50 - 60	13.85	Max. 2.00	99.50%