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Castor oil ethoxylates

	Agnique® CSO-20	Agnique® CSO-25	Agnique® CSO-30	Agnique® CSO-35	Agnique® CSO-40
Products and functions	Castor oil ethoxylates				
Description	20 EO	25 EO	30 EO	35 EO	40 EO
CAS number¹⁾	61791-12-6	61791-12-6	61791-12-6	61791-12-6	61791-12-6
Function	Emulsifier for hydrophobic oils	Emulsifier for hydrophobic oils	Emulsifier, often combined with CaDDBS	Emulsifier, often combined with Pluronic® PE 9400	Efficient general-purpose non-ionic emulsifier
Formulation type	EC, OD	EC, EW, OD	EC, EW, SE	EC, EW, SE	EC, EW
Sustainability					
Bio-based carbon					
Biodegradability					
Labeling					
RSPO MB certification					
Product properties					
Appearance	Yellowish liquid	Yellowish liquid	Yellowish liquid	Yellowish liquid	Pasty liquid
Active content (%)	100	100	100	100	100
Viscosity at 20°C (mPa·s)	650	110 at 60 °C	800 (150 at 60°C)	600 at 23°C	1300 at 25°C
Density at 20°C (kg/l)	1.03	1.07	1.05	1.04 at 23°C	1.06
Solubility in water²⁾	Opaque soluble	Soluble	Soluble	Soluble	Soluble
Water content (% max.)	0.3	0.3	2.0	0.3	0.3
Cloud point (°C), method	~67 (D)	~72 (E)	~75 (E)	72 (E)	74 (E)
HLB (Griffin)	10	11	12	12.5	13
Registration/ Exemption					
China	IECSC				
EU	REACH ³⁾				
USA	TSCA ⁴⁾				
USA EPA:	40 CFR 180	960	960	960	NL
USA EPA:	4B List ⁵⁾				

¹⁾ CAS number of main component

²⁾ Solubility in water: soluble ≥ 2g/l; insoluble < 2g/l

³⁾ REACH registration: The product may be traded inside the European Union (EU), i.e. the ingredients are either registered or exempted

⁴⁾ Listed as active in TSCA inventory

⁵⁾ Per internal review OMRI eligible product