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COSMETIC AND PERSONAL CARE INTERMEDIATES

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FATTY ALCOHOL ETHYLENE OXIDE CONDENSATES

Composition	CAS Number	Appearance	Cloud Point (1% in 10% NaCl)	Hydroxyl Value (mg KOH/g)	HLB	Water Solubility	Applications
Ceteareth-20	68439-49-6	White to creamy flakes	75-78	40-52.5	15.4±0.5	Soluble	*Functions : Dispersing Agent, Emulsion stabiliser, Wetting agent, skincare creams & lotions, Harecare microemulsion gels, Antiperspirants, shaving products, colour cosmetics, Haircare, Suncare
Cetostearyl Alcohol Ethoxylate	68439-49-6	White Flakes	75-80	33.0-45.0	16.1±0.5	Soluble	
Cetomacrogol Emulsifying wax	977069-99-0	White Flakes	-	170 - 190	-	Insoluble	
Lauryl alcohol Ethoxylate (2 EO)	68439-50-9	Liquid	28-32 (10% in 25% B0G)	196 - 204	6.0±0.5	Insoluble	*In SLES formulation, which is used for shampoo
Lauryl alcohol Ethoxylate (4 EO)	68439-50-9	Liquid	68-72 (10% in 25% B0G)	147 - 155	9.5±0.5	Dispersible	*Emulsifier
Lauryl alcohol Ethoxylate (5 EO)	68439-50-9	Liquid	-	131 - 139	10.5±0.5	Dispersible	
Lauryl alcohol Ethoxylate (6 EO)	68439-50-9	Turbid Liquid	42 - 46 (1% Aq.)	118 - 126	11.4±0.5	Soluble	*Detergent formulations
Lauryl alcohol Ethoxylate (7 EO)	68439-50-9	Turbid Liquid	52 - 58 (1% Aq.)	108 - 115	12.1±0.5	Soluble	*Emulsifier
Lauryl alcohol Ethoxylate (23 EO)	68439-50-9	Flakes	74-78 (1% in 10% NaCl soln)	40 - 45	16.7±0.5	Soluble	
PEG 2 STEARYL ETHER	9005-00-9	Waxy Solid	6.0-7.50	150-165	5.0±0.5	Insoluble	*Surfactant, Emulsifier
PEG 20 STEARYL ETHER	9005-00-9	Waxy flakes	6.0-7.50	40 to 50	15.4±0.5	Soluble	*Surfactants, Cleansing agents, Emulsifiers.
Oleyl Cetyl Alcohol Ethoxylates	68290-66-1	Liquid	6.0 - 7.50	155-175	5.20±0.5	Insoluble	
Oleyl Cetyl Alcohol Ethoxylates	68290-66-1	Liquid	6.0 - 7.50	110-125	9.25±0.5	Dispersible	
Oleyl Cetyl Alcohol Ethoxylates	68290-66-1	White soft solid	6.0 - 7.50	75 - 85	12.60±0.5	Soluble	*Emulsifiers, Thickeners, Nonionic surfactants, and Emollients.
Oleyl Cetyl Alcohol Ethoxylates	68290-66-1	waxy solid/Flakes	6.0 - 7.50	50 - 65	15.5±0.5	Soluble	
Oleyl Cetyl Alcohol Ethoxylates	68290-66-1	waxy solid/Flakes	6.0 - 7.50	37 - 47	16.0±0.5	Soluble	

POLYSORBATES

Composition	CAS Number	Appearance	Appearance @25°C	Hydroxyl Value (mg KOH/g)	HLB	Water Solubility	Applications
Polysorbate 20	9005-64-5	Yellow to brown liquid	96 - 108	40 - 50	16.7	Soluble	*Surfactant, emulsifier and fragrance ingredients
Polysorbate 40	9005-66-7	Yellow to brown liquid	89 - 105	41 - 52	15.6	Soluble	*Emulsifier and Stabilizer
Polysorbate 65	9005-71-4	Yellow to brown liquid	40 - 60	88 - 98	10	Dispersible	*Surfactant, Emulsifier, and Solubilizer
Polysorbate 60	9005-67-8	Yellow to brown liquid	81 - 96	45 - 55	15	Soluble	*Emulsifying or solubilizing agent and can help create a more aesthetically pleasing texture.
Polysorbate 80	9005-65-5	Yellow to brown liquid	65 - 80	45 - 55	15	Soluble	
Polysorbate 85	9005-70-3	Yellow to brown liquid	39 - 52	80 - 95	11	Dispersible	Emulsifying, Surfactant

CASTOR OIL /HYDROGENATED CASTOR OIL ETHYLENE OXIDE CONDENSATES

Composition	CAS Number	Appearance	Acid Value	Saponification Value (mgKOH/g)	HLB	Water Solubility	Applications
Castor oil 36 EO	61791-12-6	Clear liquid	< 1	64-69	12.5±0.5	Soluble	
Castor oil 40 EO	61791-12-6	Clear liquid	< 1	55-65	13.0±0.5	Soluble	*Emulsifying & Solubilising agent

GLYCEROL ETHOXYLATES

Composition	CAS Number	Molecular weight	Appearance	Active Content %	Viscosity @ 99°C centistokes	pH (5% Aq Solution)	Applications
Glycerol Ethoxylates	31694-55-0	Liquid	400-425	5.0 - 8.0	-	Soluble	*Humectant, Viscosity controlling agent, Moisturizer
Glycerol Ethoxylates	31694-55-0	Liquid	340-355	5.0 - 8.0	-	Soluble	
Glycerol Ethoxylates	31694-55-0	Flakes	128-168	5.0 - 8.0	-	Soluble	

COSMETICS AND PERSONAL CARE INTERMEDIATES

ESTERS

Composition	CAS Number	Appearance	Acid Value (mg KOH/g)	Saponification Value (mg KOH/g)	Hydroxyl Value (mgko H/g)	Water Solubility	Applications
Peg 7 Glyceryl Cocoate	68201-46-7	Liquid	<5	85 -100	170-109	Soluble	*Emulsifier, emollient, and surfactant
Peg 100 Stearate& Glyceryl Stearate	9004-99-3/ 31566-31-1	White flakes	-	50-60	-	Dispersible	*Emulsifier
Peg-120 Methyl Glucose Dioleate	86893-19-8	Waxy Solid	<5	24-36	14 -26	Soluble	*Surfactant, Thickener, and emulsifier

Composition	CAS Number	Appearance	Acidity (as fatty acid) %	Assay %	HLB	Water Solubility	Applications
Sodium lauroyl isethionate	7381-01-3/ 143-07-7	Waxy Solid flakes/needle	8.0 - 13.0	76 - 82	-	Dispersible	**Antistatic, Cleansing, Foaming Hair conditioning, Skin conditioning Surfactant*
Sodium cocoyl isethionate	61789-32-0	Waxy Solid flakes/needle	8.0 - 13.0	76 - 82	-	Dispersible	**Cleansing, Emulsifying, Foaming Surfactant*
Sodium isethionate	1562-00-1	Clear liquid	-	50 - 55	-	Soluble	

Composition	CAS Number	Appearance	Acid Value (mg KOH/g)	Saponification Value (mg KOH/g)	HLB	Sp. Gravity @ 20°C	Applications
Butyl Oleate	142-77-8	Liquid	< 2	160- 170	-	0.860 - 0.890	*Lubricant, Cosmetic Antistatic agent
Butyl Stearate	123-95-5	Liquid	< 2	160- 170	-	0.860 - 0.890	*Lubricant, Cosmetic Antistatic agent
Tridecyl alcohol Stearate	31566-45-3	Liquid	< 3	125- 135	-	0.860 - 0.890	*Thickening agent, Emolient, Solvent
Octyl Stearate	109-36-4	Liquid	< 2	140- 155	-	0.860 - 0.890	*Thickening, Emolient, Solvent
Octyl Palmitate	16958-85-3	Liquid	< 0.5	140- 160	-	0.860 - 0.890	*Thickening, Emolient, Solvent

Composition	CAS Number	Appearance	Acid Value (mg KOH/g)	Saponification Value (mg KOH/g)	HLB	Water Solubility	Applications
PEG 200 Monolaurate	9004-81-3	Liquid	<5	130-140	9	Dispersible	* Pigment wetting and dispersing agent
PEG 200 Dilaurate	9005-02-1	Liquid	<10	175-185	6	Dispersible	* Emulsifier & Lubricant.
PEG 400 Monolaurate	9004-81-3	Liquid	<5	85-95	13	Soluble	* In Haircare products as Opacifier, and conditioner.
PEG 400 Dilaurate	9005-02-1	Liquid	<10	125-135	10	Dispersible	* Spreading agents in bath oil.
PEG 600 Monolaurate	9004-81-3	Liquid	<5	65-75	14-15	Soluble	* In suppositories and sunscreen products
PEG 600 Dilaurate	9005-02-1	Viscous Liquid	<10	100- 110	11-12	Dispersible	
PEG 200 Monostearate	9004-99-3	Solid	<5	120-130	8	Dispersible	
PEG 200 Distearate	9005-08-7	Solid	<10	150-160	5	Dispersible	
PEG 400 Monostearate	9004-99-3	Solid	<5	80-90	12	Dispersible	
PEG 400 Distearate	9005-08-7	Solid	<10	115-125	8-9	Dispersible	
PEG 600 Monostearate	9004-99-3	Solid	<5	60-70	13-14	Soluble	
PEG 600 Distearate	9005-08-7	Solid	<10	90-100	10-11	Dispersible	
PEG 200 Monooleate	9004-96-0	Liquid	<5	115-125	8-8.5	Dispersible	
PEG 200 Dioleate	9005-07-6	Liquid	<10	145-160	5	Dispersible	
PEG 400 Monooleate	9004-96-0	Liquid	<5	80-90	11-12	Dispersible	
PEG 400 Dioleate	9005-07-6	Liquid	<10	110-135	8-8.5	Dispersible	
PEG 600 Monooleate	9004-96-0	Liquid	<5	60-70	13-14	Soluble	
PEG 600 Dioleate	9005-07-6	Liquid	<10	90-100	10-11	Dispersible	
PEG 6000 distearate	9005-08-7	Waxy flakes	< 7	13 -20	-	Soluble	*Emulsifying Agent (O/W) Thickener (aqueous)*

ETHYLENE OXIDE/PROPYLENE OXIDE BLOCK COPOLYMERS

Composition	CAS Number	Appearance	Cloud Point ° C	pH Range	Viscosity @ 99°C centistokes	pH (5% Aq Solution)	Applications
Difunctional block copolymer	9003-11-6	Liquid	56-60	5.0 - 7.0	1-7	Soluble	Surfactant, Emulsifier, Solubilizer or Stabilizer

FATTY ACID ETHOXYLATES

Composition	CAS Number	Molecular weight	Appearance	Active Content %	Viscosity @ 99°C centistokes	pH (5% Aq Solution)	Applications
Stearic Acid Ethoxylates	9004-99-3	Turbid liquid/paste	75 - 92	5.0 - 8.0	11.2±0.5	Dispersible	
Stearic Acid Ethoxylates	9004-99-3	Flakes	25 - 35	5.0 - 8.0	17.3±0.5	Soluble	*Dispersant and solubiliser
Stearic Acid Ethoxylates	9004-99-3	flakes	Oct - 14	5.0 - 8.0	18.5±0.5	Soluble	

Composition	CAS Number	Appearance	Saponification Value(mgKOH/g)	pH Range (2%)	HLB	Water Solubility	Applications
Oleic acid ethoxylate	9004-96-0	Liquid	75-95	5.0 - 8.0	11.2±0.5	Dispersible	
Oleic acid ethoxylate	9004-96-0	Liquid	110-130	5.0 - 8.0	9.3±0.5	Dispersible	*Dispersant and solubiliser in cosmetic
Oleic acid ethoxylate	9004-96-0	Liquid	75-81	5.0 - 8.0	12.1±0.5	Soluble	