

SULFATE-FREE SURFACTANTS

Elé Corporation offers a variety of sulfate-free surfactants ideally suited to formulating mild, personal care products such as shampoos, body washes, cream, lotions, shaving products, etc.

NONIONIC SURFACTANTS				Attribute				Function				
Trade Name	CAS#	INCI/Chemical Name	Overview	Concentration, wt. %	Appearance	Preservative System	HLB	Foam Stabilizer	Gelling Agent	Emulsifying Agent	Conditioning Agent	Emollient
PEL-ALC IC-20-70	69364-63-2	Isoceteth-20	Exhibits superior foaming compared to other ethoxylated nonionic surfactants. Provides a pleasant feel to the skin. Also useful as a fragrance solubilizer. Fragrance may be prephased in this product and easily added to aqueous formulations. It is found in acne-fighting medications, styling gels, shampoos, facial cleansing products, cosmetics, mascara, anti-aging creams, liquid soaps, skin cleansers, artificial tanning products, and eye creams. It is a liquid or gel at room temperature. Pourable and completely fluid with just a modest amount of heat.	70	Clear liquid to gel	Self-preserving	15			x	x	x
PEL-ALC CA-205P	9087-53-0	PPG-5-Ceteth-20	Increases lubricity and creates a dry silky feel in creams and lotions. Serves as a humectant, dispersant, and fragrance solubilizer in bath oils, shampoos, clear gels and other hydroalcoholic systems. Very mild by virtue of higher molecular weight. In hair sprays, it will plasticize resins and add lubricity, providing better combability. Can also suspend actives in antiperspirant sticks and can be used in soap bars to prevent cracking. Should be incorporated before milling as a mixture with the fragrance at the mixer stage.	100	Clear to slightly hazy liquid	Self-preserving	16			x	x	x
PEL-ALC CSA-25	68439-49-6	Ceteareth-25	Emulsifier used as a wetting agent, solubilizer, conditioner, and gelling agent. Used in cream rinses, conditioners, bath oils, creams, lotions, deodorants, antiperspirants and shaving products.	100	White waxy solid	Self-preserving	16.4		x	x	x	
PEL-ALC IS-20	52292-17-8	Isosteareth-20	An emulsifier/co-emulsifier used in hair gels, styling mousses, volumizing products, pomades, waxes, foundation, makeup removers, spray deodorants, and deodorant sticks. It is used to solubilize fragrances, essential oils, and other hydrophobic compounds in aqueous systems.	100	Clear colorless to pale yellow liquid	Self-preserving	15.3			x	x	
PEL-ALC LA-7	68551-12-2	Laureth-7	Detergent & surface tension reduction abilities. Recommended for use in liquid formulations imparting excellent foam stability even in the presence of hard water. Compatible with most surfactants. Lower viscosity 90% active version is available.	100	Clear to slightly hazy liquid	Self-preserving	12.1	x		x		
PEL-ALC LA-7-90	68551-12-3			90	Clear to slightly hazy liquid	Self-preserving	12.1	x		x		
PEL-ALC OD-20	32128-65-7	Octyldodeceth-20	Used to solubilize fragrances, essential oils, and other hydrophobic compounds in aqueous systems. Also functions as a co-emulsifier in many systems such as hair styling mousses and gels, volumizing & conditioning gels, pomades & waxes. Also used in make-up foundations, and eye makeup remover. Easy to liquefy soft white paste at room temperature.	100	Soft white paste	Self-preserving	14			x	x	
PEL-ALC SA-15P	25231-21-4	PPG-15 Stearyl Ether	Emollient, and solubilizer, useful for formulating non-greasy moisturizers and cleansing products. Forms a light occlusive layer on the skin. It also serves as a coupling agent for mineral oil and/or esters in hydroalcoholic systems and as a base for perfume compositions.	100	Clear liquid	Self-preserving	13.3					x



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AMPHOTERIC SURFACTANTS				Attribute			Function	
Trade Name	CAS#	INCI/Chemical Name	Overview	Concentration, wt. %	Appearance	Preservative System	Foaming Agent	Conditioning Agent
PEL-AMPH 2C	11168-000	Disodium Cocoamphodiacetate	Provides a moderate lather and cleans without defatting the skin to give a rich, conditioning effect. Extremely mild, used in baby shampoos, bubble baths, body washes and pre-moistened wipes. It is stable over a wide pH range, making it ideal for formulating AHA cleansers. Available in 75% version.	50	Clear liquid	Self-preserving	x	x
PEL-AMPH HPC-32	11173-000	Sodium Cocoamphoacetate	Mild, good foaming, non-defatting, low irritating, high purity surfactant that produces dense lather and cleans without defatting the skin to give a rich, conditioning effect in baby shampoos, skin cleaners, etc. Compatible with most surfactants. Offer versions based on pure a coconut source and one base on a pure lauric source.	39	Clear liquid	Self-preserving	x	x
PEL-AMPH HPL-28	11174-000	Sodium Lauroamphoacetate		36			x	x
PEL-AMPH 2CSF-CG	11110-000	Disodium Cocoamphodipropionate	Salt and methanol free, ideal choice for systems where sodium chloride is undesirable. Has potential to reduce overall irritation of other surfactants. High foaming and used to couple conditioning agents into shampoos and body washes. Its high buffer capacity also offers utility when formulating neutralizing shampoos for use after chemical hair relaxers.	39	Clear liquid	Self-preserving	x	
PEL-AMPH LDP	10839-000	Sodium Lauriminodipropionate	High foaming, salt-free surfactant with good detergency. Provides nice lather in skin cleansing applications. Helps wetting and solubilization in systems containing phosphate and polyphosphates.	30	Clear to slightly hazy liquid	Self-preserving	x	
ANIONIC SURFACTANTS				Attribute			Function	
Trade Name	CAS#	INCI/Chemical Name	Overview	Concentration, wt. %	Appearance	pH Stability Range	Preservative System	Foaming Agent
PEL-SULF L	10848-000	Disodium Lauryl Sulfosuccinate	High foaming mild surfactant with tight dense lather for use in skin cleansers.	40	Colorless to pale yellow liquid	5.5 - 8	Self-preserving	x
PEL-SULF LE-B	10804-010	Disodium Laureth Sulfosuccinate	Mild high foaming surfactants ideal for skin cleansers and bubble baths. Typically formulated with SLES to yield low irritation and higher foam heights. LE-B preserved with Benzoic Acid, LE-H with DMDMH, and LE-K with Kathon CG*.	39	Colorless to pale yellow liquid	5 - 8	Benzoic Acid	x
PEL-SULF LE-H	10804-080						DMDMH	x
PEL-SULF LE-K	10804-110						Kathon* <small>(*Trade name of Dow Chemical)</small>	x
PEL-SULF PEG-12D	10802-000	Disodium PEG-12 Dimethicone Sulfosuccinate	Extremely mild surfactant that exhibits moderate foaming while providing excellent foam stability. Ideal for cleansers with low eye and skin irritation.	50	Water white to pale yellow colorless liquid	4.5 - 8	Self-preserving	x