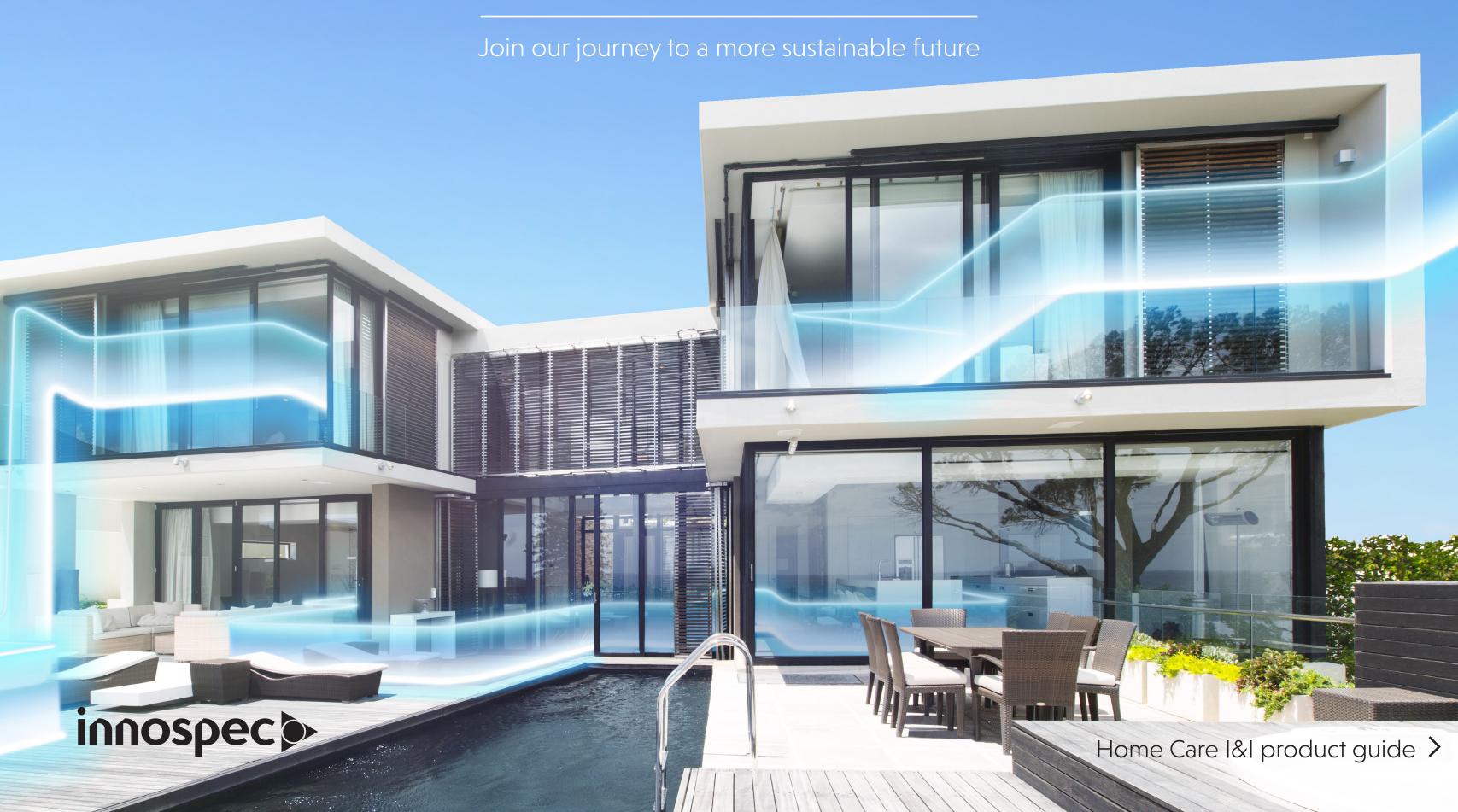
the whole home





the whole home

Home Care from Innospec offers a diverse range of surfactants, additives and patented high-performance formulations for use in everyday cleaning products.

Starting from market trends and needs and what is challenging for customers, we provide the best of our support and technical knowledge to meet their requirements and to be reliable partners within their next formulation.

Our ingredients find their way into a variety of products from laundry liquids, pods, powders and tablets to dish care products, multi-purpose cleaners, toilet care and car care.

Innospec are committed to continual innovation and developing products that contribute to a more sustainable future. Add in our extensive formulation expertise, market understanding, comprehensive product line-up and excellent customer support and it's not surprising our technologies are behind some of the world's most popular cleaning brands. Whether you are looking for a fresh and breezy laundry detergent, squeaky-clean dish washer or a practical and functional household cleaning product, you can be sure the Innospec Home Care range will treat the whole home effectively.

Join our journey to a more sustainable future with Innospec solutions for Home Care, I&I.



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To help guide you through our product range we have suggested which Application our products can be used for.

Application key:

Manual Dishwashing Auto Dishwashing

ng Cleaning

Hard Surface T
Cleaning C

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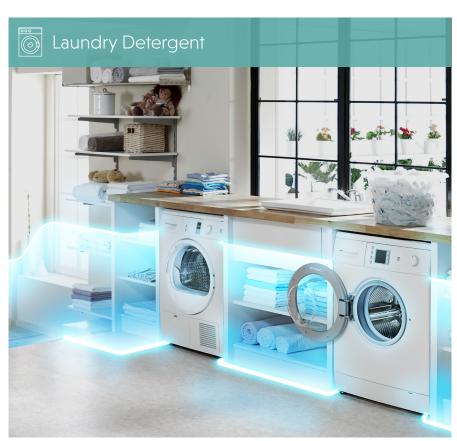
Laundry Detergent

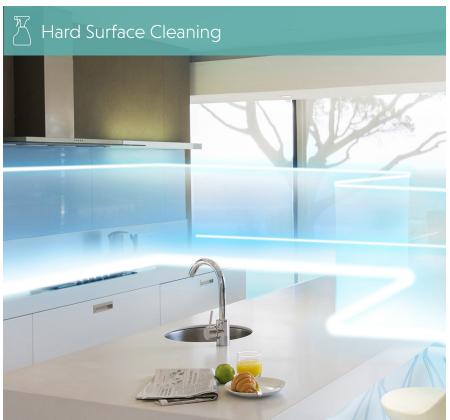




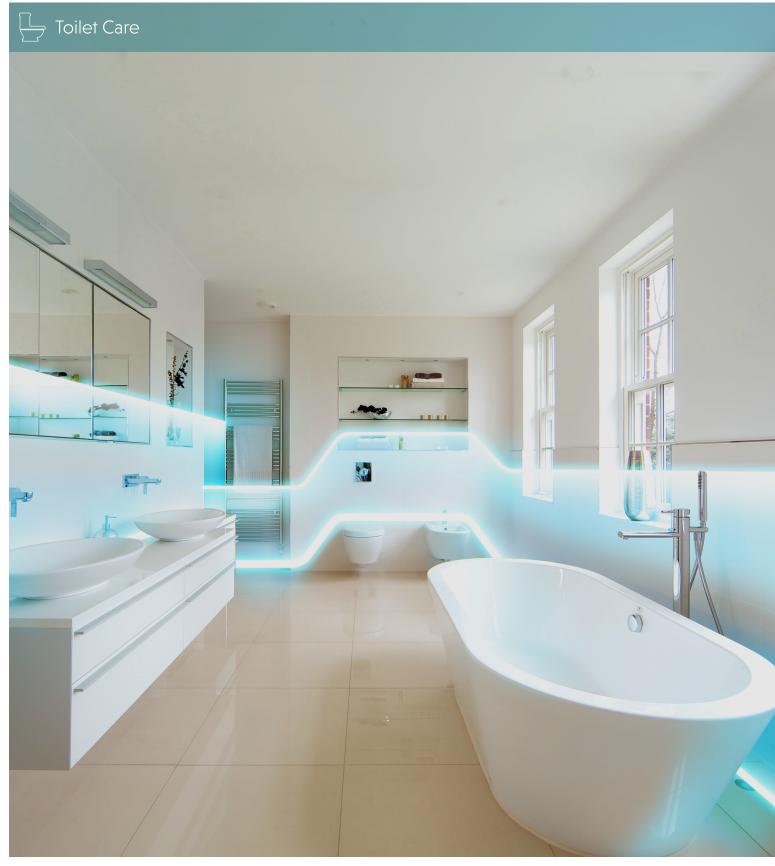
home care guide 2022 innospec













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Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	ooster	am	oam	E	stable line stable	Viscosity booster	ency		sification	yte tolerant	water tolerant	nperature compatibility	O certified	apel#	Safer Choice#	ee on product as is		corrosion free damage free					
AQUANATE	TM Methyl A	cyl Taur	ates				Foam bo	Flash fo	Stable foam	Low foam	Acid sta Alkaline	Viscosit	Deterger	Wetting	Emulsific	Electrolyte	Hard wa	Cold ter	MB/RSPO	EU Ecolab	US EPA	Label fre	Not classified	Skin cor Eye dar	Ecocert	Application			
AQUANATE™ MOT 30	Sodium Methyl Oleoyl Taurate	86	30	Viscous liquid	C18:1	Low odor and color, long chain, anionic surfactant. Viscosity builder and stable between pH 3.0-11.0. Moderate foamer.																				KÖ			
AQUANATE™ MOT 70	Sodium Methyl Oleoyl Taurate	86	70	Powder	C18:1	Low odor and color, long chain, anionic surfactant. Viscosity builder and stable between pH 3.0-11.0. Moderate foamer.																				KÖİ		7 0	
AQUANATE™ COT 20	Sodium Methyl Cocoyl Taurate	85	20	Liquid	C12-18	Mild anionic surfactant. High flash foaming and excellent detergency. Hard water and electrolyte tolerant. Chemically stable between pH 3.0-11.0.																				FO			
AQUANATE™ COT 30	Sodium Methyl Cocoyl Taurate	85	30	Paste	C12-18	Mild anionic surfactant. High flash foaming and excellent detergency. Hard water and electrolyte tolerant. Chemically stable between pH 3.0-11.0.																				F			
AQUANATE™ COT 75	Sodium Methyl Cocoyl Taurate	85	75	Powder	C12-18	Mild anionic surfactant. High flash foaming and excellent detergency. Hard water and electrolyte tolerant. Chemically stable between pH 3.0-11.0.																				TO)	X L	7 🔘 🚑	
AQUANATE	TM Acyl (Me	thyl) Iset	hion	ates																									
AQUANATE™ LQ	Sodium Lauroyl Methyl Isethionate	80	32	Clear liquid	C12	Sulfate-free anionic surfactant for clear and opaque systems. Preservative: Sodium Benzoate.																				TOT			
AQUANATE™ FK	Sodium Lauroyl Methyl Isethionate	80	82	Flake	C12	Sulfate-free anionic surfactant for clear and opaque systems.																				KO)		7 0	
AQUANATE	TM Acyl Glu	tamates																											
AQUANATE™ GLT	Sodium Lauroyl Glutamate	100	20	Clear to slightly turbid liquid	C12	Naturally derived, mild anionic surfactant. Stable between a pH of 4.0-10.0. Applications: mild hand dishwash liquids and mild detergents.																				FO	7		







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Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	ooster	- 5	oam m	ble stable	/ booster	ncy		cation	ring te tolerant	Hard water tolerant	nperature compatibility	MB/RSPO certified	EO ECOIADEI	Salei Ciolce		rosion free	Eye damage free				
EMPICOL®	Alkyl Ether S	ulfates					Foam booste	C+2	Stable Toam Low foam	Acid stable Alkaline sta	Viscosity booste	Detergency	Wetting	Emulsific	Electrolyte t	Hard wa	Cold tem	MB/RSP	EU ECOIADA	US ET A 3d	Not classified	Skin corrosion 1	Eye dam Ecocert	Application	1		
EMPICOL® EAC 70	Ammonium Laureth-3 Sulfate (Contains Phosphate)	68	70	Fluid paste	C12-16	Primary anionic surfactant. Foaming (flashfoam, stable), cleaning and emulsifying agent. Hard water tolerant. Leaves less residue on surfaces. Formulating range of pH: neutral and slightly acidic.												(0					7 -	···	
EMPICOL® EGC 70	Magnesium Laureth-3 Sulfate	68	70	Fluid paste	C12-16	Primary anionic surfactant. Foaming (flashfoam, stable), cleaning and emulsifying agent. Hard water tolerant. Has greater oil solubility than sodium salt. Less irritant than the correspondent sodium salt. Better viscosity response and better foam stability than Na salt. Formulating range of pH: neutral and slightly acidic.																				•••	
EMPIMIN® /	Alkyl Ether S	ulfates							·									·					·				
EMPIMIN® LSM 30	Sodium C9-11 Pareth-2 Sulfate	Non- vegetable	30	Liquid	C9-11	Primary anionic surfactant. High foaming (flash-foam). Good compatibility with high electrolytes levels. Compatible with alkaline systems. Preservative: Methylisothiazolinone (and) Benzylisothiazolinone.																		TÔ	7 -		
EMPICOL®	Alkyl Sulfate:	S																			,						
EMPICOL® 0335/X	Sodium C10-12 Alkyl Sulfate	Non- vegetable*	30	Liquid	C10-12	Primary anionic surfactant. High Foaming (flash-foam). Good compatibility with high electrolytes levels. Compatible with alkaline systems. Preservative: Methylchloroisothiazolinone (and) Methylisothiazolinone.												(0					X L		
EMPICOL® 0585/A	Sodium 2-Ethylhexyl Sulfate	Non- vegetable	40	Liquid	C8	Primary anionic surfactant. Low foaming. Good wetting properties also in alkaline conditions. Good compatibility with high electrolytes levels. Compatible with alkaline systems. Preservative: Methylisothiazolinone (and) Benzylisothiazolinone.												(0	C					7		
EMPICOL® 0585/U	Sodium 2-Ethylhexyl Sulfate	Non- vegetable	40	Liquid	C8	Primary anionic surfactant. Low foaming. Good wetting properties also in alkaline conditions. Good compatibility with high electrolytes levels. Compatible with alkaline systems.														C					7 -		

#: For more detailed information please consult your sales representative. *Non-vegetable = naturally derived grade may also be available upon request. O: For active ingredient only. C: Specific Concentration Limit.





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Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	n booster	n foam	Stable foam	Low foam	Acid stable Alkaline stable	Viscosity booster	Detergency	ting	asi	ctrolyte tolerant	Hard water tolerant	temperature compatibility	MB/RSPO certified EU Ecolabel*	EPA Safer Choice#	el free on product as is	classified	corrosio	damage rree			
EMPICOL® A	Alkyl Sultate:	S (cont)					Foam bo	Flash	Stab	Low	Acid Alka	Visco	Dete	Wetting	Degree	Elec	Harc	Cold	MB/ EU E	USE	Labe	Not class	Skin	Eco Eco	Application		
EMPICOL® 0758	Sodium Decyl Sulfate (Contains Phosphate)	Non- vegetable*	40	Liquid	C10	Primary anionic surfactant. High foaming (flash-foam). Good compatibility with high electrolytes levels. Compatible with alkaline systems.													C		С					X L	
EMPICOL® 0775/55 (and MB)	Sodium Lauryl Sulfate (and) Sodium Tallow Sulfate	100	55	Solid at 25°C; fluid, paste at 65°C		Primary anionic surfactant. Foaming (flash-foam). Ideal for the manufacture of hand-cleaning pastes at a pH close to that of the skin. This product is based on a selected blend of fatty alcohols which provide a higher viscosity build in aqueous formulations.																					
EMPICOL® AL 25/EX	Ammonium Lauryl Sulfate	100	25	Liquid	C12-16	Primary anionic surfactant. High foaming (flash-foam). Better viscosity response than sodium salt. Easier to rinse than sodium salt. pH formulating range: neutral and slightly acidic. Preservative: Methylchloroisothiazolinone (and) Methylisothiazolinone.													C	0					<u>F</u> O	X L	
EMPICOL® AL 70	Ammonium Lauryl Sulfate	100	68	Fluid, paste	C12-16	Primary anionic surfactant. High foaming (flash-foam). Better viscosity response than sodium salt. Easier to rinse than sodium salt. pH formulating range: neutral and slightly acidic.														0						X L	
EMPICOL® LQ 33/TX	MEA Lauryl Sulfate	86	33	Liquid	C12-16	Primary anionic surfactant. High foaming (flash-foam). Better viscosity response than sodium salt. Easier to rinse than sodium salt. pH formulating range: neutral and slightly acidic. Preservative: Methylchloroisothiazolinone (and) Methylisothiazolinone.													C)					FOT	¥ £	000
EMPICOL® LV840	Sodium Caprylyl Sulfate	100	40	Liquid	C8	Primary anionic surfactant. Low foaming. Good compatibility with high electrolyte levels. Compatible with alkalyne systems.																					

#: For more detailed information please consult your sales representative. O: For active ingredient only.



Primary	Secondary	Specialty	Solvents	Rheology	Solubilizers –	Foam	Plasticizers and	Performance	Chelating
Surfactants	Surfactants	Cationics		Modifiers	Emulsifiers	Controllers	Texturing Agents	Concentrates	Agents



								Eco	cert		рН		Pe	rforma	nce cha	ıracteri	stics			Addi	tional	chara	acteris	tics				
Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	ooster	am	oam	W.	able	Viscosity booster	ency		ication	yte tolerant	Hard water tolerant	mperature compatibility	MB/RSPO certified	# 	0 a a a	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	corrosion free	damage free				
EMPICOL® A	Alkyl Sulfate	S (cont)					Foam boo	Flash foar	Stable foam	Low foam	Acid stable Alkaline sta	Viscosit	Detergency	Wetting	Emulsifi	Electrolyte t	Hardwa	Cold ter	MB/RSF	EU Ecolab	ַסַ כ	Not classified	Skin col	Eye dar	Ecocert	Application		
EMPICOL® LVT40	Sodium C8-10 Sulfate	100	40	Liquid	C8-10	Primary anionic surfactant. High foaming (flash foam). Good compatibility with high electrolyte levels. Compatible with alkalyne systems.																				<u></u>	7 }	
EMPICOL® TL 40/X	TEA Lauryl Sulfate	68	40	Liquid	C12-16	Primary anionic surfactant. High foaming (flash-foam). Better viscosity response than sodium salt. Easier to rinse than sodium salt. pH formulating range: neutral and slightly acidic. Preservative: Methylchloroisothiazolinone (and) Methylisothiazolinone.														0						FÖ	X L	
NANSA® O	efin Sulfona	tes																										
NANSA® LSS 38/AS	Sodium C14-16 Olefin Sulfonate	Non- vegetable	38	Liquid	C14-16	Primary anionic surfactant. Excellent foaming and detergency. Hard water and electrolyte tolerant. Chemically stable in acidic and alkaline conditions. Free from 1,4-dioxane and EO. Preservative: 2-Bromo-2-Nitropropane-1,3-Diol.														0 0						K Ö	X L	
NANSA® LSS 38/U	Sodium C14-16 Olefin Sulfonate	Non- vegetable	38	Liquid	C14-16	Primary anionic surfactant. Excellent foaming and detergency properties. Hard water and electrolyte tolerant. Chemically stable in acidic and alkaline conditions. Free from 1,4-dioxane and EO.																				FO TO	7 -	
NANSA® Al	kylbenzene	Sulfonat	es																									
NANSA® SS 55/I	Sodium Dodecylbenzene Sulfonate	Non- vegetable	55	Soft paste	C10-13	Primary anionic surfactant. Work-horse of many household detergents. High foaming profile. The concentration represents the best compromise between highest active/ease of handling. Chemically stable in acidic and alkaline conditions. Preservative: Methylisothiazolinone (and) Benzylisothiazolinone.																					X L	

#: For more detailed information please consult your sales representative. O: For active ingredient only.





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Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	booster	foam	foam	am	stable	aline stable		g	ification	asinç	ctrolyte tolerant		SPO certified	olabel*	A Safer Choice#	free on product as is	Not classified	corrosion free	damage free	t			
NANSA® Fa	atty Acid Salt	S					Foam	Flash f	Stable foam	Low foam	<u>.</u> 0	Alkalir		ett 5	Emulsi	(0)	Electrolyte	Cold te	MB/RSPO	EU Ecc		Label	Not cl	Skin co	Eye da	Ecocel	Application		
NANSA® PC 38/F (and MB)	Potassium Cocoate	100	35	Liquid	C12-18	Primary anionic surfactant with good detergent properties. Low foam profile/foam controller in hard water.																					· · ·		7
EMPICOL®	Dried Alkyl S	Sulfates																											
EMPICOL® 0045/B (and MB)	Sodium Lauryl Sulfate	100	92	Powder	C12	Primary anionic surfactant. Very good foaming and detergency especially in soft water. Good emulsifying properties.																					TO		
EMPICOL® CZ/N (and MB)	Sodium Coco Sulfate	100	92	Powder	C12-18	Primary anionic surfactant. Very good foaming and detergency especially in soft water. Good emulsifying properties. Low free alkalinity level.																							
EMPICOL® CZV/N (and MB)	Sodium Coco Sulfate	100	92	Needles	C12-18	Primary anionic surfactant. Very good foaming and detergency especially in soft water. Good emulsifying properties. Low free alkalinity level.																					10		
EMPICOL® LX/B (and MB)	Sodium Lauryl Sulfate	100	92	Powder	C12-16	Primary anionic surfactant. Very good foaming and detergency especially in soft water. Good emulsifying properties.																					FO		
EMPICOL® LX/N (and MB)	Sodium Lauryl Sulfate	100	92	Powder	C12-16	Primary anionic surfactant. Very good foaming and detergency especially in soft water. Good emulsifying properties. Low free alkalinity level.																					FO	Z L	
EMPICOL® LXV/B (and MB)	Sodium Lauryl Sulfate	100	92	Needles	C12-16	Primary anionic surfactant. Very good foaming and detergency especially in soft water. Good emulsifying properties.																					1 00		
EMPICOL® LXV/N (and MB)	Sodium Lauryl Sulfate	100	92	Needles	C12-16	Primary anionic surfactant. Very good foaming and detergency especially in soft water. Good emulsifying properties. Low free alkalinity level.																					TO		
EMPICOL® LZ/B (and MB)	Sodium Lauryl Sulfate	100	92	Powder	C12-18	Primary anionic surfactant. Very good foaming and detergency especially in soft water. Good emulsifying properties.																С					TO		
EMPICOL® LZ/N (and MB)	Sodium Lauryl Sulfate	100	92	Powder	C12-18	Primary anionic surfactant. Very good foaming and detergency especially in soft water. Good emulsifying properties. Low free alkalinity level.																С					TO	Z L	

🕻 #: For more detailed information please consult your sales representative. C: Specific Concentration Limit.





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Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	ooster	am		ple	stable	booster	ncy	cation	ing	Electrolyte tolerant	tolerant	perature compatibility	#Jequ	Safer Choice#	se on product as is	sified	Skin corrosion Tree	damage free cert		
EMPICOL®	Dried Alkyl S	Sulfates	(cont)				Foam bo	Stable foam	Low foam	Acid stable	Alkaline	Viscosity boo	Detergency	Wetting Emulsification	Degreasing	Electroly	Hard water tole	Cold temper	EU Ecolabel#	US EPA Safer	Label free	Not classif	SKIN CON	Eye dam Ecocert	Application	
EMPICOL® LZV/B (and MB)	Sodium Lauryl Sulfate	100	92	Needles	C12-18	Primary anionic surfactant. Very good foaming and detergency especially in soft water. Good emulsifying properties.															С				10	
EMPICOL® LZV/BE	Sodium Lauryl Sulfate	100	92	Needles	C12-18	Primary anionic surfactant. Very good foaming and detergency especially in soft water. Good emulsifying properties. Optimized physical form for an improved product handling.															С				ZO)	
EMPICOL® LZV/BEP	Sodium Lauryl Sulfate	100	92	Needles	C12-18	Primary anionic surfactant. Very good foaming and detergency especially in soft water. Good emulsifying properties. Optimized physical form for an improved product handling.															С				KO)	
EMPICOL® LZV/N (and MB)	Sodium Lauryl Sulfate	100	92	Needles	C12-18	Primary anionic surfactant. Very good foaming and detergency especially in soft water. Good emulsifying properties. Low free alkalinity level.															С				TÕ	
EMPICOL® LZV/NEP	Sodium Lauryl Sulfate	100	92	Needles	C12-18	Primary anionic surfactant. Very good foaming and detergency especially in soft water. Good emulsifying properties. Optimized physical form for an improved product handling.																			FO)	

#: For more detailed information please consult your sales representative. C: Specific Concentration Limit.



Primary	Secondary	Specialty	Solvents	Rheology	Solubilizers –	Foam	Plasticizers and	Performance	Chelating
Surfactants	Surfactants	Cationics		Modifiers	Emulsifiers	Controllers	Texturing Agents	Concentrates	Agents



								Eco	cert		рН		Pe	erforma	ance ch	aracteri	istics			Addit	tional	charac	cteristic	S			
Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	ooster	am	oam	Ę	ible stable	y booster	ency		l Ú l	sing yte tolerant	_ _	nperature compatibility	O certified	abel#	Se on		corrosion free	damage free			
NANSA® Dr	ried Alkylber	izene Su	ulfon	ates			Foam b	Flash fo	Stable foam	Low foam	Acid stabl	Viscosity boost	Detergen	Wetting	Emulsifi	Degreasir Electrolyte	Hardwa	Cold ter	MB/RSPO	EU Ecolabe	Label fr	Not classified	Skin cor	Eye dar	App	olication	
NANSA® HS 80/NPF	Sodium Dodecylbenzene Sulfonate (Contains Citrates)	Non- vegetable	80	Powder	C10-13	Primary anionic surfactant. Excellent foaming and detergency properties. Chemically stable in acidic and alkaline conditions. Ideal for toilet blocks production.																			Ŕ	Ť	
NANSA® HS 85/H	Sodium Dodecylbenzene Sulfonate	Non- vegetable	85	Powder	C10-13	Primary anionic surfactant. P-free, less hygroscopic. Excellent foaming and detergency properties. Chemically stable in acidic and alkaline conditions. Ideal for toilet blocks production.																			K)	
NANSA® HS 85/NPF	Sodium Dodecylbenzene Sulfonate (Contains Citrates)	Non- vegetable	85	Powder	C10-13	Primary anionic surfactant. Excellent foaming and detergency properties. Chemically stable in acidic and alkaline conditions. Ideal for toilet blocks production.																			Ŕ	<u></u>	
NANSA® HS 90/NPF	Sodium Dodecylbenzene Sulfonate (Contains Citrates)	Non- vegetable	90	Powder	C10-13	Primary anionic surfactant. Excellent foaming and detergency properties. Chemically stable in acidic and alkaline conditions. Ideal for toilet blocks production.														C)				Ŕ	<u></u>	
NANSA® HS 80/S	Sodium Dodecylbenzene Sulfonate (Contains Phosphate)	Non- vegetable	80	Powder	C10-13	Primary anionic surfactant. Excellent foaming and detergency properties. Chemically stable in acidic and alkaline conditions. Ideal for toilet blocks production.														C)				Ŕ	<u>)</u>	
NANSA® HS 80/LSR	Sodium Dodecylbenzene Sulfonate	Non- vegetable	80	Powder	C10-13	Primary anionic surfactant. P-free. Excellent foaming and detergency properties. Chemically stable in acidic and alkaline conditions. Hard water tolerant. Limescale reduction properties. Ideal for toilet blocks production.																			K))	
NANSA® HS 85/S	Sodium Dodecylbenzene Sulfonate (Contains Phosphate)	Non- vegetable	85	Powder	C10-13	Primary anionic surfactant. Excellent foaming and detergency properties. Chemically stable in acidic and alkaline conditions.														C					K	Ť	
NANSA® HS 90/S	Sodium Dodecylbenzene Sulfonate (Contains Phosphate)	Non- vegetable	90	Powder	C10-13	Primary anionic surfactant. Excellent foaming and detergency properties. Chemically stable in acidic and alkaline conditions.														C					Ŕ	Ť	

#: For more detailed information please consult your sales representative. O: For active ingredient only.





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Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	length	Features	ooster	am	oam m	ple	stable	/ booster	incy	,;+c	sing	te tolerant	iter tolerant	20	Certified abel#	Safer Choice#	ee on product as is	sified	corrosion free	nage free		
NANSA® Di	ried Olefin S	Sulfonate	es.				Foam b	Flash foa	Stable r	Acid sta	Alkaline	Viscosity	Deterge	Wetting	Degreas	Electrolyte	Hard wa	Cold ten	MB/RSPU EU Ecolabé	US EPA	Label fre	Not clas	_	Eye dan Ecocert	Application	
NANSA® LSS 480/H	Sodium C14-16 Olefin Sulfonate	Non- vegetable	80	Powder	C14-16	Primary anionic surfactant. Excellent foaming and detergency. Hard water and electrolyte tolerant. Chemically stable in acidic and alkaline conditions.																			Y O	
NANSA® LSS 495/H	Sodium C14-16 Olefin Sulfonate	Non- vegetable	95	Powder	C14-16	Primary anionic surfactant. Excellent foaming and detergency. Hard water and electrolyte tolerant. Chemically stable in acidic and alkaline conditions.																			KO)	
NANSA® LSS 495/V	Sodium C14-16 Olefin Sulfonate	Non- vegetable	95	Needles	C14-16	Primary anionic surfactant. Excellent foaming and detergency. Hard water and electrolyte tolerant. Chemically stable in acidic and alkaline conditions. Optimized physical form for an improved product handling.																			LO	

secondary surfactants

EMPIGEN® Alkyl and Alkylamidopropyl Betaines

EMPIGEN® BB	Lauryl Betaine	76	30	Liquid	Amphoteric co-surfactant. Compatible with anionics, non-ionics and cationics. Efficient foam booster and stabilizer. Good tolerance to hard water and soap. Useful thickening properties. Chemically and physically stable over a wide pH range.						FOT	
EMPIGEN® BB/HP	Lauryl Betaine (Low salt)	76	30	Liquid	Amphoteric co-surfactant. Compatible with anionics, non-ionics and cationics. Efficient foam booster and stabilizer. Good tolerance to hard water and soap. Chemically and physically stable over a wide pH range. NaCl content is below 0,5%. Compatible with electrolyte sensitive ingredients.						TÔ	







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Product Name EMPIGEN®	INCI Name Alkyl and Al	% Naturally derived	% active	Appearance at room temperature	C-chain length Features	Foam booster	Flash foam	Stable foam	Low foam	Acid stable	Viscosity booster	Detergency	Wetting	ש	Degreasing Flectrolyte tolerant	rd water	Cold temperature compatibility	MB/RSPO certified	EU Ecolabel#	A Sater Choice*	Label free on product as is	classified	Skin corrosion tree	Ecocert E	Applica	tion
EMPIGEN® BS/FE (and MB)	Cocamidopropyl Betaine	66	30	Liquid	Amphoteric co-surfactant. Compatible with anionics, non-ionics and cationics. Efficient foam booster and stabilizer. Good tolerance to hard water and soap. Useful thickening properties. Chemically and physically stable over a wide pH range. Methanol and glycerol free.					**	·															
EMPIGEN® BS/H50	Cocamidopropyl Betaine	66	35	Liquid	Amphoteric co-surfactant. Compatible with anionics, non-ionics and cationics. Efficient foam booster and stabilizer. Good tolerance to hard water and soap. Useful thickening properties. Chemically and physically stable over a wide pH range. Higher CAPB content. Free from methanol, glycerol and additives that may give undesired side effects during formulation work.					**	·															7 - 0
EMPIGEN® BS/H50/MB	Cocamidopropyl Betaine	66	35	Liquid	Mass Balance/RSPO certified. Amphoteric co-surfactant. Compatible with anionics, nonionics and cationics. Efficient foam booster and stabilizer. Good tolerance to hard water and soap. Useful thickening properties. Chemically and physically stable over a wide pH range. Higher CAPB content. Free from methanol, glycerol and additives that may give undesired side effects during formulation work.					**	c														₹ÔŤ	
EMPIGEN® BS/HI	Cocamidopropyl Betaine	66	30	Liquid	Amphoteric co-surfactant. Compatible with anionics, non-ionics and cationics. Efficient foam booster and stabilizer. Good tolerance to hard water and soap. Useful thickening properties. Chemically and physically stable over a wide pH range. Methanol and glycerol free. Neutral pH. Preservative: Methylisothiazolinone (and) Benzylisothiazolinone.					**	r															

#: For more detailed information please consult your sales representative. **: Limited.



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						E	Ecoc	ert	pl	Н	Р	erforma	ınce cl	naracter	istics			Addi	tional	charac	terist	ics				
Product Name EMPIGEN®	INCI Name Alkyl Ampho	% Naturally derived	% active	Appearance at room temperature	C-chain Features length Podiacetates	Foam booster	Flash toam	Stable foam	Acid stable	Alkaline stable Viscosity booster	Detergency	etting	Emulsification	Degreasing Electrolyte tolerant	Hard water tolerant	Cold temperature compatibility	MB/RSPO certified	EU Ecolabel#	se on	assified	Skin corrosion free	Eye damage free	Ecocert	Application		
EMPIGEN® CDL 30/J/35	Sodium Lauroamphoacetate	66	35	Liquid	Amphoteric co-surfactant. Compatible with anionic, non-ionic and cationic surfactants. Good quality of foam even with soap and hard water. Outstanding mildness. Potential to form ion-pair complexes and increase performance of cationic surfactants. Foam profile and viscosity response are influenced by pH.					**									С					***	X	000
EMPIGEN® CDL 60/P	Sodium Lauroamphoacetate	66	35	Liquid	Amphoteric co-surfactant. Compatible with anionic, non-ionic and cationic surfactants. Good quality of foam even with soap and hard water. Outstanding mildness. Potential to form ion-pair complexes and increase performance of cationic surfactants. Foam profile and viscosity response are influenced by pH.					**									С					FÖ	Z	
EMPIGEN® CDR 60 (and MB)	Sodium Cocoamphoacetate	69	40	Liquid	Amphoteric co-surfactant. Compatible with anionic, non-ionic and cationic surfactants. Good quality of foam even with soap and hard water. Outstanding mildness. Potential to form ion-pair complexes and increase performance of cationic surfactants. Foam profile and viscosity response are influenced by pH.					**														₹Õ†	7	000
EMPIGEN® 5151 (and MB)	Disodium Cocoamphodiacetate	66	50	Liquid	Amphoteric co-surfactant. Compatible with anionic, non-ionic and cationic surfactants. Good quality of foam even with soap and hard water. Outstanding mildness. Potential to form ion-pair complexes and increase performance of cationic surfactants. Foam profile and viscosity response are influenced by pH.					**														T O*	X	©**
EMPIGEN® CDR 2M (and MB)	Sodium Cocoamphoacetate (and) Disodium Cocoamphodiacetate	66	50	Liquid	Amphoteric co-surfactant. Compatible with anionic, non-ionic and cationic surfactants. Good quality of foam even with soap and hard water. Outstanding mildness. Potential to form ion-pair complexes and increase performance of cationic surfactants. Foam profile and viscosity response are influenced by pH.					**														FÖ	X	

#: For more detailed information please consult your sales representative. **: Limited.



							[Ecocert		р	Н	F	Perform	nance	characte	eristics			Ad	dition	al char	acteris	stics					
Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	booster	oam	am	table	Alkaline stable	Viscosity booster	gency ig	Emulsification	asing	Electrolyte tolerant Hard water tolerant	- 1 9	certified	EU Ecolabel#	er Choice#	Label free on product as is	Skin corrosion free	Eve damage free	,				
EMPICOL®	Alkyl Ether C	Carboxyl	ic Ac	ids and	Salts		Foam bo	Flash foam Stable foam	Low foam	Acid stable	Alkalir	Viscos	Wetting	Emulsi	Degreasing	Electro Hard v	Cold te	MB/RSPO	EU Eco	US EP	Label free	Skin co	Eve da	Ecocert	Applica	tion		
EMPICOL® CVE	Capryleth-6 Carboxylic Acid	40	89	Liquid	C8	Anionic surfactant. Medium-low foaming. Highly compatible with electrolytes, oxidizing agents, acid and alkali. Hydrotropic effect.																					7 -	
EMPICOL® CVH	Capryleth-8 Carboxylic Acid	31	89	Liquid	C8	Anionic surfactant. Low foaming. Highly compatible with electrolytes, oxidizing agents, acid and alkali. Hydrotropic effect.																				<u></u>	X L	
EMPICOL® CBJ	Laureth-11 Carboxylic Acid	37	86	Liquid	C12-16	Anionic surfactant. High volume and high quality foam profile also in hard water. Good detergency. Good dermatology. Highly compatible with electrolytes, oxidizing agents, acid and alkali. Hydrotropic effect. Excellent lime scum removal properties.																			TO*		Z L	
EMPICOL® CED 5	Laureth-5 Carboxylic Acid	54	92	Liquid	C12-16	Anionic surfactant. High volume and high quality foam profile also in hard water. Good detergency. Good dermatology. Highly compatible with electrolytes, oxidizing agents, acid and alkali. Excellent lime soap dispersing properties.																			ŢŌŤ		Z L	
EMPICOL® CED 5S	Sodium Laureth-5 Carboxylate	54	22	Liquid	C12-16	Anionic surfactant. High volume and high quality foam profile also in hard water. Good detergency. Good dermatology. Highly compatible with electrolytes, oxidizing agents, acid and alkali. Excellent lime soap dispersing properties. Preservative: Methylchloroisothiazolinone (and) Methylisothiazolinone.																			₹Öİ			000

#: For more detailed information please consult your sales representative. **: Limited.



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								Ecoce	ert		рН		Perf	forman	ce char	acteris	tics			Addi	tiona	chara	cterist	tics				
Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	length	Features	booster	foam	Stable foam	Low foam Acid stable	ne stable	Viscosity booster	Detergency	ng :	sification easing	ctrolyte tolerant	Hard water tolerant	temperature compatibility	MB/RSPO certified	Ecolabel#	7 Jaiei	assified	Skin corrosion free	damage free	te			
EMPICOL®	Alkyl Ether Su	ılfosucci	nates	s and EM	1PIMII	N [®] Alkyl Sulfosuccinates	Foam	Flash	Stabl	Low foam Acid stable	Alkali	Visco	Dete	Wetting	Emulsifica Degreasi	Elect	Hard	Cold	MB/F		10 de 1	Not	Skin	Eye c	Ecoc	Application		
EMPICOL® SDD/Y	Disodium Laureth-3 Sulfosuccinate	56	33	Liquid	C12-16	Anionic surfactant exceptionally mild to skin. Used in conjunction with anionic, nonionic and amphoteric surfactants. Good foaming characteristics. Formulating range of pH 5-8. Good tolerance to hard water. Low salt viscosity response. Preservative: Methylchloroisothiazolinone (and) Methylisothiazolinone.																						000
EMPIMIN® OP 70	Diethylhexyl Sodium Sulfosuccinate (and) Propylene Glycol	Non- vegetable	72	Liquid	C8	Anionic surfactant with excellent wetting over a broad temperature range. Excellent emulsification properties. Excellent dispersing effect both in aqueous and non-aqueous dispersions. Good foaming characteristics. Hydrotropic effect. Anti-fog properties on glass and acrylates.																				₹Ô		
EMPIMIN® OT	Diethylhexyl Sodium Sulfosuccinate (and) Ethanol	Non- vegetable	60	Liquid	C8	Anionic surfactant with excellent wetting over a broad temperature range. Excellent emulsification properties. Excellent dispersing effect both in aqueous and non-aqueous dispersions. Good foaming characteristics. Hydrotropic effect. Anti-fog properties on glass and acrylates.																				TO*	X	©
EMPIGEN®	Amine Oxid	es																										
EMPIGEN® OB (and MB)	Lauramine Oxide	86	30	Liquid	C12-14	Cationic surfactant in acidic conditions. Non-ionic in neutral and alkaline systems. Combination with primary anionic surfactants gives excellent detergency. Good thickening and foam boosting properties. Reduces potential irritation of anionics. Chemically stable to acid, alkali and oxidants.														()					T O*	Z E	

#: For more detailed information please consult your sales representative. O: For active ingredient only.





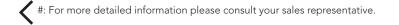
							Eco	cert		рН		P	erform	ance ch	naracte	ristics			Ac	dditio	nal ch	aracte	ristics			
Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain Features length	ooster	me	sam.	E	ole	aline stable cosity booster	rdencv		aation	sing	water tolerant	atur	O certified	abel*	Safer Choice#	e on product as is		corrosion free	cert		
EMPIGEN®	Amine Oxid	es (cont)				Foam bo	Flash fo	Stable foam	Low foam	Acid stable	Viscosity	Deterge	ett	Emulsific	Degreas	7 72	Cold terr	MB/RSPO	EU Ecola	US EPA	Label fre	Not clas	Skin cor	Ecocert	Application	
EMPIGEN® OD (and MB)	C12-18 Alkyldimethylamine Oxide	88	30	Liquid	Cationic surfactant in acidic conditions. Non-ionic in neutral and alkaline systems. Combination with primary anionic surfactants gives excellent detergency. Good thickening and foam boosting properties. Reduces potential irritation of anionics. Chemically stable to acid, alkali and oxidants. Ideal for thickened bleach systems.															0						
EMPIGEN® OH 25	Myristamine Oxide	88	25	Liquid	Cationic surfactant in acidic conditions. Non-ionic in neutral and alkaline systems. Combination with primary anionic surfactants gives excellent detergency. Good thickening and foam boosting properties. Reduces potential irritation of anionics. Chemically stable to acid, alkali and oxidants.															0					TO	X L ©
EMPIGEN® OS/A	Cocamidopropyl Amine Oxide	73	30	Liquid	Cationic surfactant in acidic conditions. Non-ionic in neutral and alkaline systems. Combination with primary anionic surfactants gives excellent detergency. Good thickening and foam boosting properties. Reduces potential irritation of anionics. Chemically stable to acid and alkali.															0					f Ø	

#: For more detailed information please consult your sales representative. O: For active ingredient only.





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Product Name EMPIGEN®	INCI Name Anti-bacter	% Naturally derived	active	Appearance at room temperature	length		roam booster Flash foam	Stable foam	Low foam	Acid stable	Alkaline stable Viscosity booster	Detergency	etting	Emulsification	Degreasing Electrolyte tolerant	ard water	Cold temperature compatibility	MB/RSPO certified	Ecolabel*	4 Safer	product as	Not classified	damage fr	cert	Application
EMPIGEN® BAC 50	Benzalkonium Chloride	58	50	Liquid	C12-14	Readily biodegradable cationic surfactant with biocidal properties. Compatible with amphoteric and nonionic surfactants. Incompatible with anionic surfactants. Readily soluble in water, lower alcohols, glycols and glycol ethers. Stable both in acidic and alkaline media. Best efficacy around pH 9. Used in cooling water and swimming pools. Very effective against gram positive bacteria.																			
EMPIGEN® BAC 80	Benzalkonium Chloride (and) glycol ether	58	80	Liquid	C12-14	Readily biodegradable cationic surfactant with biocidal properties. Compatible with amphoteric and nonionic surfactants. Incompatible with anionic surfactants. Readily soluble in water, lower alcohols, glycols and glycol ethers. Stable both in acidic and alkaline media. Best efficacy around pH 9. Used in cooling water and swimming pools. Very effective against gram positive bacteria.																			
EMPIGEN® BKC 50	Benzalkonium Chloride	58	50	Liquid	C12-14	Readily biodegradable cationic surfactant with biocidal properties. Compatible with amphoteric and nonionic surfactants. Incompatible with anionic surfactants. Readily soluble in water, lower alcohols, glycols and glycol ethers. Stable both in acidic and alkaline media. Best efficacy around pH 9. Used in cooling water and swimming pools. Very effective against gram positive bacteria.																			
EMPIGEN® HBC 40	Hydroxyethyl Laurdimonium Chloride	76	40	Liquid	C12-14	Readily biodegradable cationic surfactant compatible with anionics. Improves emulsification, detergency, thickening and foaming. Optimises surface tension reduction. Enables adhesion to some surfaces. Gives some conditioning behaviour.																			





Performance Concentrates Chelating Agents



								Eco	ocert		р	Н	F	Perform	iance c	haracto	eristics	;		А	ddition	al cha	racteris	stics	i				
Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	ooster	am	oam	E	ple	stable	y booster	incy	cation	sing	yte tolerant	noerature compatibility	O certified	abe #		ee on product as is	sified rosion free		nage free				
ACTIVEMO	L® Glycerine	· Carbor	nates				Foamb	Flash fo	Stable f	Low foa	Acid sta	Alkaline	Viscosit	Wetting	Emulsifi	Degrea	Electrol	Cold ter	MB/RSF	EU Ecol	US EPA	Label fr	Not clas	UNIT CO	Eye dar Ecocert	Applica	tion		
ACTIVEMOL® Glycerine carbonate	Hydroxypropylene carbonate	75	100	Liquid	-	Readily biodegradable, VOC free, non- flammable solvent. Ideal for non-aqueous systems.																						7	

rheology modifiers

ELTESOL® Hydrotropes

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ELTESOL® PSC 40	Potassium Cumenesulfonate (and) Sodium Cumenesulfonate	Non- vegetable	40	Liquid	-	Hydrotrope. Non-flammable, non-toxic alternative to solvents. Solubilizing, coupling and viscosity modifying agent, increases the cloud point of non-ionics. Improved cold storage properties.						TC	
ELTESOL® SC 40	Sodium Cumenesulfonate	Non- vegetable	40	Liquid	-	Hydrotrope. Non-flammable, non-toxic alternative to solvents. Solubilizing, coupling and viscosity modifying agent, increases the cloud point of non-ionics.						TC	
ELTESOL® SC 93	Sodium Cumenesulfonate	Non- vegetable	93	Powder	-	Hydrotrope. Non-flammable, non-toxic alternative to solvents. Solubilizing, coupling and viscosity modifying agent, increases the cloud point of non-ionics.						ŦĈ	
ELTESOL® SC Pellets	Sodium Cumenesulfonate	Non- vegetable	88	Pellets	-	Hydrotrope. Non-flammable, non-toxic alternative to solvents. Solubilizing, coupling and viscosity modifying agent, increases the cloud point of non-ionics.						¥Ĉ	
ELTESOL® ST 90	Sodium Toluenesulfonate	Non- vegetable	90	Powder	-	Hydrotrope. Non-flammable, non-toxic alternative to solvents. Solubilizing, coupling and viscosity modifying agent, increases the cloud point of non-ionics.						¥Ĉ	
ELTESOL® ST 93 Pellets	Sodium Toluenesulfonate	Non- vegetable	93	Pellets	-	Hydrotrope. Non-flammable, non-toxic alternative to solvents. Solubilizing, coupling and viscosity modifying agent, increases the cloud point of non-ionics.						¥Ĉ	

#: For more detailed information please consult your sales representative.



Primary Secondary Specialty
Surfactants Surfactants Cationics

Solvents

Rheology Modifiers Solubilizers – Emulsifiers Foam Controllers Plasticizers and Texturing Agents

Performance Concentrates Chelating Agents



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Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	ooster	am	Jail I	ole	stable	booster	ncy		cation	gui -	Electrolyte tolerant Hard water tolerant	. 4	sertified	# <u> </u> = QE	Safer Choice#	e on product as is	sified	Skin corrosion free	damage free	
ELTESOL® H	Hydrotropes	(cont)					Foam bo	Flash foam	Low foam	Acid stable	Alkaline	Viscosity boos	Detergency	Wetting	Emulsification	Degreasing	Electrolyte tole	Cold tempe	MB/RSP	EU Ecolabel#	US EPA Safer	Label free	Not classifi	Skin cor	Eye dan	Application
ELTESOL® SX 30	Sodium Xylenesulfonate	Non- vegetable	30	Liquid	-	Hydrotrope. Non-flammable, non-toxic alternative to solvents. Solubilizing, coupling and viscosity modifying agent, increases the cloud point of non-ionics.																				
ELTESOL® SX 33	Sodium Xylenesulfonate	Non- vegetable	33	Liquid	-	Hydrotrope. Non-flammable, non-toxic alternative to solvents. Solubilizing, coupling and viscosity modifying agent, increases the cloud point of non-ionics.																				
ELTESOL® SX 40	Sodium Xylenesulfonate	Non- vegetable	40	Liquid	-	Hydrotrope. Non-flammable, non-toxic alternative to solvents. Solubilizing, coupling and viscosity modifying agent, increases the cloud point of non-ionics.																				
ELTESOL® SX 93	Sodium Xylenesulfonate	Non- vegetable	93	Powder	-	Hydrotrope. Non-flammable, non-toxic alternative to solvents. Solubilizing, coupling and viscosity modifying agent, increases the cloud point of non-ionics.																				
ELTESOL® SX Pellets	Sodium Xylenesulfonate	Non- vegetable	88	Pellets	-	Hydrotrope. Non-flammable, non-toxic alternative to solvents. Solubilizing, coupling and viscosity modifying agent, increases the cloud point of non-ionics.																				

#: For more detailed information please consult your sales representative.



							E	coce	rt	рН		P	erform	iance c	naracte	ristics			Adc	itiona	l chara	acteris	tics					
Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	ooster	oam	oam	able	Alkaline stable Viscosity booster	NOO.		cation	sing	Hard water tolerant	mperature compatibility	MB/RSPO certified	# <u></u> (1)	Sater Choice"	ee on product as is	corrosion free	damage free					
EMPILAN® A	Alkyl Glucos	sides					Foam boo	riasn to	Stable toam	Acid stable	Alkaline Viscosit	Deterder	Wetting	Emulsifi	Degreasing	Hardwä	Cold ter	MB/RSF	Eco	√ 1 √ 3	Not classified	Skin cor	Eye dar	Ab Ecocert	oplication			
EMPILAN® APD 50	Decyl Glucoside	100	50	Liquid	C8-10	Mild, naturally-derived, non-ionic surfactant. Provides excellent foaming and wide formulating pH range of 4.0-11.0.																		Í		X L	••••	
EMPILAN® APL 50	Lauryl Glucoside	100	50	Viscous liquid	C12-14	Mild, naturally-derived, non-ionic surfactant. Can contribute to building viscosity in combination with other anionic and amphoteric surfactants. Provides a wide formulating pH range of 4.0-11.0.																		Í		¥ E	000	
EMPILAN® APC 50	Coco-Glucoside	100	50	Viscous liquid	C8-14	Mild, naturally-derived, non-ionic surfactant. Provides excellent foaming and wide formulating pH range of 4.0-11.0.																		Í		X L	•••	
EMPILAN®	Ethoxylates																											
EMPILAN® KA 5	Deceth-5	Non- vegetable*	100	Liquid	C10-12	Non-ionic surfactant. Stable over a wide range of pH. Shorter alkyl chain gives greater solubility and tolerance to electrolyte, with excellent wetting and foaming power. Ideal for surface cleaning.																		Ĭ	(O)	Z L)	
EMPILAN® KA 5/90	Deceth-5	Non- vegetable*	90	Liquid	C10-12	Non-ionic surfactant. Stable over a wide range of pH. Shorter alkyl chain gives greater solubility and tolerance to electrolyte, with excellent wetting and foaming power. Ideal for surface cleaning. Improved cold storage properties.																		Ĭ	Ö	X L	,	
EMPILAN® KCL 7	C12-15 Pareth-7	Non- vegetable	100	Liquid	C12-15	Non-ionic surfactant. Stable over a wide range of pH. The specific alkyl chain and the mid-range ethoxylation degree give very good wetting and detergency. Work-horses of surface cleaners, laundry, dish wash.																		Í		7	···	
EMPILAN® KCL 7/90	C12-15 Pareth-7	Non- vegetable	90	Liquid	C12-15	Non-ionic surfactant. Stable over a wide range of pH. The specific alkyl chain and the mid-range ethoxylation degree give very good wetting and detergency. Work-horses of surface cleaners, laundry, dish wash. Improved cold storage properties.																		Í	Ō		©	

#: For more detailed information please consult your sales representative. *Non-vegetable = naturally derived grade may also be available upon request.



Primary	Secondary	Specialty	Solvents	Rheology	Solubilizers –	Foam	Plasticizers and	Performance	Chelating
Surfactants	Surfactants	Cationics		Modifiers	Emulsifiers	Controllers	Texturing Agents	Concentrates	Agents



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Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	ooster	me.	oam .	٤	ole	cosity booster	ncy		cation	ing The tolerant	ter tolerant	perature compatibility	O certified	**************************************	Safer Choice#	e on product as is		rosion free	במ המ ב ב ב ב ב ב ב ב ב ב ב ב ב ב ב ב ב					
EMPILAN® E	Ethoxylates	(cont)					Foam bo	Flash foa	Stable foam	Low foam	Acid stabl	Viscosity	Deterge	Wetting	Emulsific	Degreasing Flectrolyte	2	Cold tem	MB/RSPO	EU Ecolab	US EPA Safer	Label free	<u> </u>	Skin corr	Eye dallage	Арр	lication			
EMPILAN® KCL 9/85	C12-15 Pareth-9	Non- vegetable	85	Liquid	C12-15	Non-ionic surfactant. Stable over a wide range of pH. The specific alkyl chain and the midrange ethoxylation degree give good wetting and detergency. Work-horses of surface cleaners, laundry, dish wash. Improved cold storage properties.																				£	Ť	7	· · ·	_
EMPILAN® KCL 11	C12-15 Pareth-11	Non- vegetable	100	Solid	C12-15	Non-ionic surfactant. Stable over a wide range of pH. The specific alkyl chain and the midrange ethoxylation degree give good wetting and detergency. Work-horses of surface cleaners, laundry, dish wash, toilet care. Useful to solubilize a wide range of perfumes.																				£C	Ť	X C	7	
EMPILAN® KCL 11/90	C12-15 Pareth-11	Non- vegetable	90	Liquid	C12-15	Non-ionic surfactant. Stable over a wide range of pH. The specific alkyl chain and the midrange ethoxylation degree give good wetting and detergency. Work-horses of surface cleaners, laundry, dish wash, toilet care. Useful to solubilize a wide range of perfumes. Improved cold storage properties.																				\$0	Ť	¥ E	7	
EMPILAN® KI 6	Trideceth-6	Non- vegetable	100	Liquid	C11-14	Non-ionic surfactant. Stable over a wide range of pH. Highly branched iso-alcohol ethoxylate with excellent emulsification/wetting properties. Low foam profile.																					<u>.</u>	7		PERP
EMPILAN® KI 6.5	Trideceth-7	Non- vegetable	100	Liquid	C11-14	Non-ionic surfactant. Stable over a wide range of pH. Highly branched iso-alcohol ethoxylate with excellent emulsification/wetting properties. Medium foam profile.																						X		
EMPILAN® KI 8	Trideceth-8	Non- vegetable	100	Liquid	C11-14	Non-ionic surfactant. Stable over a wide range of pH. Highly branched iso-alcohol ethoxylate with excellent emulsification/wetting properties. Medium to high foam profile.																								
EMPILAN® KR 2.5	C9-11 Pareth-3	Non- vegetable	100	Liquid	C9-11	Non-ionic surfactant. Stable over a wide range of pH. Poor aqueous solubility. Used as antifoam and viscosity builder.																								
EMPILAN® KR 5	C9-11 Pareth-5	Non- vegetable	100	Liquid	C9-11	Non-ionic surfactant. Stable over a wide range of pH. Shorter alkyl chain gives greater solubility and tolerance to electrolyte, with very good wetting and excellent foaming power. Ideal for surface cleaning.																				FC	Ť	7		- ATAP

 \checkmark #: For more detailed information please consult your sales representative.





								Ecod	cert		рН		Pei	rformaı	nce cha	racteri	stics			Add	dition	al cha	racter	istics				
Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	ooster	me.	sam	am	ble stable	booster	ncy		cation	re tolerant	Hard water tolerant	perature compatibility	MB/RSPO certified	# <u></u>	fer Choice#	ee on product as is	sified	rosion rree lage free				
EMPILAN® I	Ethoxylates	(cont)					Foam booste	Flash fo	Stable foam	Low foar	Acid stable Alkaline sta	Viscosity booste	Deterger	Wetting	Emulsific	Electrolyte t	Hard wa	Cold tem	MB/RSP	Eco	\triangleleft \square	Label fre	Not classified	Skin corrosion Eye damage fra	Ecocert	Application		
EMPILAN® KR 6	C9-11 Pareth-6	Non- vegetable	100	Liquid	C9-11	Non-ionic surfactant. Stable over a wide range of pH. Shorter alkyl chain gives greater solubility and tolerance to electrolyte, with very good wetting and excellent foaming power. Ideal for surface cleaning.																				L O	X L	
EMPILAN® KR 6/90	C9-11 Pareth-6	Non- vegetable	90	Liquid	C9-11	Non-ionic surfactant. Stable over a wide range of pH. Shorter alkyl chain gives greater solubility and tolerance to electrolyte, with very good wetting and excellent foaming power. Ideal for surface cleaning. Improved cold storage properties.																				TO	X L	
EMPILAN® KR 8	C9-11 Pareth-8	Non- vegetable	100	Liquid	C9-11	Non-ionic surfactant. Stable over a wide range of pH. Shorter alkyl chain gives greater solubility and tolerance to electrolyte, with good wetting and foaming power. Ideal for surface cleaning.																				TO	7 -	
EMPILAN® KT 7/80	Deceth-7	Non- vegetable*	80	Liquid	C10	Non-ionic surfactant. Stable over a wide range of pH. Shorter alkyl chain gives greater solubility and tolerance to electrolyte, with good wetting and excellent foaming power. Ideal for surface cleaning. Improved cold storage properties.																				T O	X L	
EMPILAN® I	atty Acid A	lkanolan	nides	8																								
EMPILAN® 2502 (and MB)	Cocamide DEA	77	85	Liquid	C8-18	Non-ionic surfactant. Thickening agent. Used to boost stability and volume of foam also in presence of hard water and soap. Useful to solubilize a wide range of perfumes and non-polar compounds. Contains glycerol.					**																	
EMPILAN® CIS	Cocamide MIPA	81	95	Flakes	C8-18	Non-ionic surfactant. Thickening agent. Used to boost stability and volume of foam also in presence of hard water and soap. Useful to solubilize a wide range of perfumes and non-polar compounds.					**															f 0	7 -	
EMPILAN® CME/T	Cocamide MEA	87	85	Flakes	C8-18	Non-ionic surfactant. Thickening agent. Used to boost stability and volume of foam also in presence of hard water and soap. Useful to solubilize a wide range of perfumes and non-polar compounds. Contains glycerol.					**															TO TO	X L	

#: For more detailed information please consult your sales representative. *Non-vegetable = naturally derived grade may also be available upon request. **: Limited.





								Eco	cert		рН		Pe	rforma	nce cha	racteris	stics			Addit	ional (charac	cteristi	ics				
Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	length	Features	n booster	n foam	Stable foam	Low foam	Acid stable Alkaline stable	Viscosity booster	Detergency	Wetting	Emulsification	Electrolyte tolerant	Hard water tolerant	temperature compatibility	MB/RSPO certified	Ecolabel# EPA Safer Choice#	e on	sified	corrosion free	damage free	sert			
EMPILAN®	Ethoxylated/	Propoxy	/late	d Alcoho	ols		Foam bo	Flash	Stab	Low	Acid Alka	Visco	Dete	Wet	Emu	Elec:	Harc	Cold	MB/	EU E	Label fre	Not	Skin	Eye	Есос	Application		
EMPILAN® PF 7165	PPG-1 C12-15 Pareth-7	Non- vegetable	100	Liquid	C12-15	Readily biodegradable non-ionic surfactant compatible with many common oxidizing and reducing agents and may be formulated with other non-ionic, anionic, amphoteric and cationic surfactants. Produces a relatively unstable foam, that will rapidly die-away and might find use as a wetting agent, detergent or emulsifier in applications that require low foaming characteristics.																					000	
EMPILAN® PF 7168	PPG-4-Undeceth-7	Non- vegetable	100	Liquid	C11	Readily biodegradable non-ionic surfactant compatible with many common oxidizing and reducing agents and may be formulated with other non-ionic, anionic, amphoteric and cationic surfactants. Offers the combination of excellent wetting, emulsification and low-foam performance and it is particularly suited for application at ambient or relatively low working temperatures. It is a versatile surfactant that may bring benefits in a wide range of applications, such as surface cleaning. Label free.																						
EMPILAN® PF 7169	PPG-3-Undeceth-7	Non- vegetable	100	Liquid	C11	Readily biodegradable non-ionic surfactant compatible with many common oxidizing and reducing agents and may be formulated with other non-ionic, anionic, amphoteric and cationic surfactants. It is a versatile low foam surfactant capable of offering excellent wetting performance. It is particularly suited to applications operating at elevated temperatures or to processes with short cycle times. It is a versatile surfactant that may bring benefits in a wide range of applications, such as surface cleaning. Label free.																				©***	X L	

#: For more detailed information please consult your sales representative. **: Limited.





								Eco	cert		рН		Pe	erforma	ance d	charact	eristics			A	dditior	nal ch	aracte	ristics				
Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	ooster	am	oam	ш	ble	aline stable	incy		cation		rolyte tolerant water tolerant	ature	'O certified	abel#	Safer Choice#	ee on product as is		corrosion free	damage free			
ENVIOMET	® Polymer						Foam be	Flash fo	Stable foam	Low foa	Acid stable	Viscosity	Deterge	Wetting	Emulsifi	Degreas	Electroly Hard wa	Cold ten	MB/RSPO	EU Ecolab	US EPA Safer	Label free	Not classified	Skin cor	Eye dan	Ecocert	Application	
ENVIOMET® Boost	Cyamopsis Tetragonoloba (Guar) Gum	100	100	Off-white, to pale yellow powder	-	Naturally derived viscosity-building polymer and foam stabilizer. Does not require neutralization.																						
LAUREX® Fa	atty Alcohols										·					·	·			`		·	·					
LAUREX® CS	Cetearyl Alcohol	100	100	Flakes	C16-18	Primary fatty alcohol. Viscosity, consistency modifier. It helps to give controlled release of active ingredients and perfumes.																						
EMPIWAX® CL	Cetearyl Alcohol (and) Ceteareth-25	85	100	Flakes	-	Self-emulsifying wax with high electrolyte tolerance, dispersing, thickening and solubilizing properties.																						
EMPIWAX® SK/BP	Cetearyl Alcohol (and) Sodium Lauryl Sulfate	100	100	Flakes	-	Self-emulsifying wax with high electrolyte tolerance, dispersing, thickening and solubilizing properties.																						

#: For more detailed information please consult your sales representative. *: Limited.



								Eco	cert		рН		Pe	rforma	nce cha	racteris	stics			Add	itiona	l char	acteri	stics				
Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	booster	foam	foam	sam.	table ne stable	Viscosity booster	rgency	б	<u>i</u>	ctrolyte tolerant	water tolerant	emperature compatibility	SPO certified	apel#	A Sater Choice*	rree on product as Is	Not classified Ckin corrocion free	damage free	ť			
AQUANATE	TM Performa	ince Coi	ncen ⁻	trates			Foam	Flash	Stable foam	Low foam	Acid stabl	Viscos	Deter	Wetting	Emulsi	Electro	Hard	Cold te	MB/RSPO	EU Eo	US EFA	Label No+Cl	Not c	Eye da	Ecoce	Application		
AQUANATE XHL-UM	Aqua (and) Sodium Lauroyl Methyl Isethionate (and) Cocamidopropyl Betaine (and) Sodium Methyl Oleoyl Taurate (and) Lauryl Glcoside (and) Coco- Glucoside	81	42 (as solid)	Clear liquid	-	Sulfate-free concentrated blend of anionic, amphoteric and non-ionic surfactants. High volume, creamy foam stable in hard water. Application: mild hand dishwash liquids and mild detergents. Preservative: Sodium Benzoate.																				T O **	X	
AQUANATE XHL-SFSB	Aqua (and) Sodium Lauroyl Methyl Isethionate (and) Cocamidopropyl Betaine (and) Sodium Cocoyl Isethionate (and) Sodium Methyl Oleoyl Taurate	80	45 (as solid)	Clear to slightly hazy liquid	-	Sulfate-free concentrated blend of anionic and amphoteric surfactants. High volume, creamy foam stable in hard water. Application: mild hand dishwash liquids and mild detergents. Preservative: Sodium Benzoate.																				₹Ö†	X	
AQUANATE XHL-BB	Aqua (and) Sodium C14-16 Olefin Sulfonate (and) Cocamidopropyl Betaine (and) Sodium Lauroyl Methyl Isethionate	42	45 (as solid)	Clear to slightly hazy liquid	-	Sulfate-free concentrated blend of anionic and amphoteric surfactants. High volume, creamy foam stable in hard water. Application: mild hand dishwash liquids and mild detergents. Preservative: Sodium Benzoate.														0						(0)	Z	
EMPIPEARL [©]	Pearl Cond	centrate	S																									
EMPIPEARL® XA 200/X	Sodium Laureth Sulfate (and) Glycol Cetearate (and) Cocamidopropyl Betaine	83	41	Viscous liquid	-	Blend of anionic, non-ionic and amphoteric surfactants. No need of heating equipment with consequent production time reduction. Vegetable derived raw materials only. Preservative: Methylchloroisothiazolinone (and) Methylisothiazolinone.					**															F O [†]		

#: For more detailed information please consult your sales representative. O: For active ingredient only. **: Limited.





								Ecc	cert		рН		Pe	erform	ance c	haracte	eristics	5		A	Additio	onal c	haract	eristics	;			
Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain length	Features	ooster	am	oam	L	ble	Viscosity booster	ency	,	cation		toler toler	Water tolerant	certified	abel#	Safer Choice#	ee on product as is	ssified	corrosion free	damage free			
EMPIPEARL [©]	® Pearl Cond	centrate	S (con	t)			Foam b	Flash fo	Stable foam	Low foam	Acid stabl	Viscosity	Deterge	1	Emulsifi	Degreas	Electrolyte		MB/RSPO	EU Ecol	EPA	Label fr	Not classified		Eye dan	Application		
EMPIPEARL® XA 300/X	Sodium Laureth Sulfate (and) Glycol Distearate (and) Cocamide MEA (and) Cocamidopropyl Betaine	81	39	Viscous liquid	-	Blend of anionic, non-ionic and amphoteric surfactants. No need of heating equipment with consequent production time reduction. Preservative: Methylchloroisothiazolinone (and) Methylisothiazolinone.					**															KO)	1	
EMPIPEARL® XA 400/X	Glycol Distearate (and) Sodium Laureth Sulfate (and) Cocamide MEA (and) Laureth-10	78	40	Viscous liquid	-	Blend of anionic and non-ionic surfactants. No need of heating equipment with consequent production time reduction. Preservative: Methylchloroisothiazolinone (and) Methylisothiazolinone.					**															TO'	1	
EMPIPEARL® XA 500/X	Sodium Laureth Sulfate (and) Cocamide DEA (and) Glycol Cetearate	82	44	Viscous liquid	-	Blend of anionic and non-ionic surfactants. No need of heating equipment with consequent production time reduction. Preservative: Methylchloroisothiazolinone (and) Methylisothiazolinone.					**															TÖ	1	
EMPILAN® E	Esters													,		,	'			'								
EMPILAN® EGDS/A	Glycol Distearate	94	100	Flakes	C16-18	Pearlizing agent, opacifier, oil soluble emulsifier and viscosity modifier.																					,	
EMPILAN® EGMS	Glycol Cetearate	92	100	Flakes	C16-18	Pearlizing agent, opacifier, oil soluble emulsifier and viscosity modifier.																						
EMPICOL® F	Performance	e Conce	ntrat	es and S	uper-	Concentrates																						
EMPICOL® XCT 10	Mild Concentrated Detergent Base	57	55	Fluid paste	-	Concentrated blend of anionic and amphoteric surfactants. Easy to dilute. Optimized detergency and foaming. Application: manual dishwash, laundry liquids and hard surface cleaners. Preservative: Benzyl alcohol (and) Methylchloroisothiazolinone (and) Methylisothiazolinone.																				TÕ	Z	

 \checkmark #: For more detailed information please consult your sales representative. **: Limited.





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Product Name EMPICOL®	INCI Name Performance	% Naturally derived		Appearance at room temperature	length	Features Concentrates (cont)	Foam booster	Flash toam	Stable foam	Low foam Acid stable	Alkaline stable	Viscosity booster	Detergency Wetting	Emulsification	Degreasing Electrolyte tolerant	rd water	Cold temperature compatibility	MB/RSPO certified	US EPA Safer Choice#	Label free on product as is	classified	Skin corrosion free Eye damage free	sert	Application		
EMPICOL® XHL 100	Concentrated Detergent Base	38	55	Fluid paste	-	Concentrated blend of anionic surfactants. Easy to dilute. High volume of flash foam. Good wetting & detergency. Excellent viscosity response. Application: laundry liquid detergents, hand dishwash liquid. Preservative: Methylisothiazolinone (and) Benzylisothiazolinone.					**													T O	7 [
EMPICOL® XHL 140	Mild Concentrated Detergent Base	10	50	Fluid paste	-	Sulfate-free and EO-free concentrated blend of anionic and amphoteric surfactants. Designed to prepare corrosive-free and label-free detergents. High volume, creamy foam stable in hard water. Very good emulsification power. Application: mild hand dishwash liquids and mild detergents.					**									С		С		TÕ	7 [7
EMPICOL® XHL 151/ MB	Mild Concentrated Detergent Base	89	24	Fluid paste	-	1,4-dioxane free and EO-free concentrated blend of anionic and amphoteric surfactants. Designed to prepare corrosive-free and label-free detergents. High volume, creamy foam stable in hard water. Very good emulsification power. Application: mild hand dishwash liquids and mild detergents.														С		С		T O	¥ £	7
EMPICOL® XHL 300	Concentrated Laundry Detergent Base	38	67	Fluid paste	-	Concentrated blend of soap, anionic surfactants, non-ionic surfactants, phosphonate and polycarboxylates. Easy to dilute. Low volume of controlled foam suitable for automatic laundry washing machine. Good wetting and detergency. Preservative: 2-Bromo-2-Nitropropane-1,3-Diol.																				
EMPICOL® iDS X10	Low Foam Concentrated Detergent Base	46	70	Fluid paste	-	Concentrated blend of non-ionic surfactant and soap. Easy to dilute. Low volume of controlled foam. Excellent wetting and detergency. Corrosive symbol free. Application: hard surface cleaners, floor cleaners, fine fabric detergents.																			7	
EMPICOL® VBS D30A	Super-Concentrated Detergent Base	Non- vegetable	88 (Organic Matter)	Liquid	-	Super-concentrated blend of a non-ionic surfactant and a solvent, both of which are vegetable derived, and an anionic surfactant. Specifically developed to prepare hard surface degreasers that work well on tenacious greasy stains that may be difficult to remove with traditional degreasing products.																			7	

🕻 #: For more detailed information please consult your sales representative. C: Specific Concentration Limit. **: Limited.





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Product Name	INCI Name	% Naturally derived	% active	Appearance at room temperature	C-chain Features length	ooster	am	oam	Ш	ble	Viscosity booster	ncy		cation sing	te tolerant	Hard water tolerant	perature compatibility	MB/RSPO certified	EPA Safer Choice#	l o	sified	corrosion free	Ecocert	
ENVIOMET	® EDDS					Foam boo	Flash fo	Stable foam	Low foam	Acid stable Alkaline sta	Viscosity	Detergency	Wetting	Emulsification Degreasing	Electrolyte	Hard wa	Cold ten	MB/RSPO	US EPA	Label free	Not classified	Skin cor	Ecocert	Application
ENVIOMET® C140	Trisodium Ethylenediamine Disuccinate	Non- vegetable	37	Liquid	Unique readily biodegradable and Ecolabel approved chelating agent particularly effective at chelating transition metals in presence of Calcium and Magnesium. Application: stain removal, Peroxide/ Peracetic acid stabilization, dye and fabric protection, biocide potentiator, removal of transition metals from surfaces.																			
ENVIOMET® C280	Ethylenediamine Disuccinic Acid	Non- vegetable	80	Powder	Free acid form. Unique readily biodegradable and Eco-label approved chelating agent particularly effective at chelating transition metals in presence of Calcium and Magnesium. Application: stain removal, Peroxide/Peracetic acid stabilization, dye and fabric protection, biocide potentiator, removal of transition metals from surfaces.																			
ENVIOMET® C265	Ethylenediamine Disuccinic Acid	Non- vegetable	66	Powder	Free acid form. Unique readily biodegradable and Eco-label approved chelating agent particularly effective at chelating transition metals in presence of Calcium and Magnesium. Application: stain removal, Peroxide/Peracetic acid stabilization, dye and fabric protection, biocide potentiator, removal of transition metals from surfaces.																			





Primary	
Surfactants	

Plasticizers and Texturing Agents

Performance Concentrates Chelating Agents

innospec











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