

Innovative Chemical Technologies, Inc.

Specialty Surfactants



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Specialty Surfactants

Product	Ionic Type	Description	% Solids
Flexiclean AMP-FB	Amphoteric	Sodium lauriminodipropionate mixture	39-41
Flexisurf ASC	Amphoteric	Sultaine surfactant blend	49-51
Flexisurf EHDP	Amphoteric	Sodium octyliminodipropionate	49-51
Flexisurf LDP	Amphoteric	Sodium lauriminodipropionate	29-31
Flexisurf COS-37	Anionic	Potassium cocoate	35.5-36.5
Flexisurf EHS-40	Anionic	Ammonium 2-ethylhexyl sulfate	39-41
Flexisurf LRS	Anionic	Proprietary surfactant	29.8-31.8
Flexiwet NRW	Anionic	Proprietary surfactant blend	56.5-60.0
Flexisurf 66H	Anionic	Proprietary surfactant blend	52-60
Flexisurf SS-40E	Anionic	Disodium laureth sulfosuccinate	39-41
Flexisurf AO-8	Nonionic	Octyl dimethylamine oxide	39-41
Flexisurf DDO-30	Nonionic	Dodecyl dimethylamine oxide	29-31
Flexisurf LO-30	Nonionic	Lauryl dimethylamine oxide, primarily lauryl	29-31
Flexisurf MCO-30	Nonionic	C12-C18 alkyl dimethylamine oxide	29-31
Flexiwet NR-50	Nonionic	Proprietary surfactant	48-49.5
Flexisurf X-5	Nonionic	Proprietary surfactant blend	54-63
Flexiwet WBD	Nonionic	Proprietary surfactant blend	43.5-45.5
Flexisurf 810B	Zwitterion	Betaine surfactant blend	43 to 46
(Renewably sourced)			

Ross Miles Foam Test 0.5% actives in DI Water (mm. height @ 25°C)			
Product	Initial	After 3 minutes	After 10 minutes
Flexiclean AMP-FB	377	334	330
Flexisurf ASC	4	0	0
Flexisurf EHDP	5	0	0
Flexisurf LDP	359	315	310
Flexisurf COS-37	379	320	310
Flexisurf EHS-40	0	0	0
Flexisurf LRS	336	256	76
Flexiwet NRW	168	142	38
Flexisurf SS-40E	353	319	300
Flexisurf AO-8	0	0	0
Flexisurf DDO-30	352	293	55
Flexisurf LO-30	399	326	318
Flexisurf MCO-30	412	347	340
Flexiwet NR-50	332	257	49
Flexisurf X-5	383	340	329
Flexiwet WBD	414	344	249
Flexisurf 66H*	163	9	8
* 1% actives in water			



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These Application Guidance tables are designed to assist with the product selection process. ICT Specialty Surfactant Products deliver benefits to meet your formulation requirements.

APPLICATION GUIDANCE											
Application	Use	Flexiclean AMP-FB	Flexisurf ASC	Flexisurf EHDP	Flexisurf LDP	Flexisurf COS-37	Flexisurf EHS-40	Flexisurf LRS	Flexiwet NRW	Flexisurf SS-40E	Flexisurf 66H
HI&I Cleaners	Hard Surfaces	X	X	X	X	X		X			X
	Glass						X	X			
	Soap Scum Removal										
	Vehicle Exteriors	X						X			
	Degreaser			X	X	X		X			
	Soft Surfaces			X					X	X	
	Foam Booster	X			X	X		X		X	
	Non-Rewetting								X		
Detergents	Hydrotrope			X	X						X
	Hand Dish Wash					X		X		X	
Textile Wet Processing	Laundry										
	Scour			X					X		
Personal Care	Wetting Agent			X					X		
	Wetting Agent	X		X	X	X				X	
Oil Field	Wetting Agent			X	X		X				
APEO-free		X	X	X	X	X	X	X	X	X	
Phosphate-free		X		X	X	X	X	X	X	X	
Non-VOC									X		
Low VOC								X			
FIFRA Inert Ingredient					X						
in non-food Pesticides											

APPLICATION GUIDANCE									
		Flexisurf	Flexisurf	Flexisurf	Flexisurf	Flexiwet	Flexisurf	Flexiwet	Flexisurf
Application	Use	AO-8	DDO-30	LO-30	MCO-30	NR-50	X-5	WBD	810B
HI&I Cleaners	Hard Surfaces	X	X	X	X	X	X	X	X
	Glass						X		
	Soap Scum Removal	X					X		
	Vehicle Exteriors						X	X	
	Degreaser						X	X	
	Soft Surfaces	X	X	X	X	X	X		
	Foam Booster		X	X	X	X	X	X	X
	Non-Rewetting					X			
	Hydrotrope	X							
HI&I Conditions	Hypochlorite	X	X	X	X			X	
	Peracid	X	X					X	
	Peroxide	X	X	X	X		X	X	
Detergents	Hand Dish Wash		X	X					X
	Laundry	X	X	X	X		X		X
Textile Wet Processing	Scour	X	X	X	X	X	X		
	Wetting Agent	X	X	X	X	X	X		
Personal Care	Wetting Agent		X	X	X				X
Oil Field	Wetting Agent	X							
APEO-free		X	X	X	X	X	X	X	X
Phosphate-free		X	X	X	X	X	X	X	X
Non-VOC								X	
Low VOC							X		
FIFRA Inert Ingredient		X	X	X					
in non-food Pesticides									



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Surface Tension information is provided to assist with product selection.

Aqueous Surface Tension, duNoüy ring Wt.% actives in DI water, dynes/cm @ 25°C				
Product	0.5 wt. %	1.0 wt. %	2.5 wt. %	5.0 wt. %
Flexisurf COS-37	24.0	24.1	26.8	28.5
Flexiwet NRW	26.0	26.0	26.1	26.1
Flexiwet NR-50	26.7	26.9	27.0	27.1
Flexiwet WBD	27.4	27.6	27.8	28.0
Flexisurf X-5	27.5	27.9	28.1	28.3
Flexiclean AMP-FB	28.2	29.0	29.4	29.2
Flexisurf MCO-30	30.3	30.3	30.3	30.3
Flexisurf LRS	30.4	29.4	28.2	27.7
Flexisurf DDO-30	31.4	31.5	31.5	31.5
Flexisurf LO-30	31.8	31.9	31.8	31.8
Flexisurf EHS-40	32.7	29.9	26.8	24.5
Flexisurf LDP	32.9	34.2	35.2	35.0
Flexisurf ASC	33.4	28.5	27.1	27.1
Flexisurf EHDP	33.5	34.5	27.8	32.3
Flexisurf AO-8	37.1	30.7	26.5	32.7
Flexisurf SS-40E	38.6	39.9	39.8	38.8
Flexisurf 66H		44.5		



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