

Innovative Chemical Technologies, Inc.

Specialty Surfactants



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Specialty Surfactants

ICT Specialty Surfactant Products deliver wetting, detergency, and stabilization to meet your formulation requirements. Biobased products are shown in green text.

Product	Ionic Type	Description	% Solids
Flexiclean AMP-FB	Amphoteric	Sodium lauriminodipropionate mixture	39 - 41
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 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	29 - 31
Flexisurf MCO-30	Nonionic	C12-C18 alkyldimethylamine 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
(Biobased content)			

ICT Specialty Surfactant Products provide a range of foaming properties including high foam, foaming with stable foam, foaming with collapsing foam, as well as low/no foam.

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 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



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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	Flexisurf	Flexisurf	Flexisurf	Flexisurf	Flexisurf	Flexiwet	Flexisurf
		AMP-FB	EHDP	LDP	COS-37	EHS-40	LRS	NRW	SS-40E
HI&I Cleaners	Hard Surfaces	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	
HI&I Conditions	Hydrotrope		X	X					
	Hypochlorite								
	Peracid								
Detergents	Hand Dish Wash				X		X		X
	Laundry								
Textile Wet Processing	Scour		X					X	
	Wetting Agent		X					X	
Personal Care	Wetting Agent	X	X	X	X				X
Oil Field	Wetting Agent		X	X		X			
APEO-free		X	X	X	X	X	X	X	X
Phosphate-free		X	X	X	X	X	X	X	X
Non-VOC							X	X	
Low VOC									
FIFRA Inert Ingredient in non-food Pesticides				X					

APPLICATION GUIDANCE								
Application	Use	Flexisurf	Flexisurf	Flexisurf	Flexisurf	Flexiwet	Flexisurf	Flexiwet
		AO-8	DDO-30	LO-30	MCO-30	NR-50	X-5	WBD
HI&I Cleaners	Hard Surfaces	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
	Non-Rewetting					X		
HI&I Conditions	Hydrotrope	X						
	Hypochlorite	X	X	X	X			X
	Peracid	X	X	X	X		X	X
Detergents	Hand Dish Wash		X	X				
	Laundry	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			
Oil Field	Wetting Agent	X						
APEO-free		X	X	X	X	X	X	X
Phosphate-free		X	X	X	X	X	X	X
Non-VOC								X
Low VOC							X	
FIFRA Inert Ingredient in non-food Pesticides		X	X	X				



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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 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



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