

Surfactants Evaluated in KNSO (65:35)w

Anionic

Surfactant	% Active	Vis. Redn.*	Burn Behaviour	Comments
Liquid Laundry Detergent, (Purex, Ultra)	~0.25	3	2.9 mm/sec	Good Vis. Redn.
" "	~0.5	4	no ignition	Better Vis. Redn.
" " Purex 2X	~0.25	3	--	Good Vis. Redn.
Suave shampoo [†]	~0.25	3	2.8 mm/sec	
Sodium alkyl phosphate	1	3	2.8 mm/sec	Modest VR
" "	2	3-4	no ignition	
Sodium Octyl sulfate	0.2	1-2		Not quite pourable
Sodium 2-ethylhexyl sulfate	0.2	1-2		Not quite pourable
Ammonium Lauryl sulfate	0.28	2	--	Just pourable
" "	0.56	2		slightly better
Ammonium Laureth sulfate	1.2	3	no ignition	3 ethoxylates
" "	0.28	2-3	no ignition	12 ethoxylates
Amm. lauryl lactylate	1	0		
C ₁₄ 16 olefin sulfonate	1	1-2	no ignition	
Ammonium Xylene sulfate	0.4	0		
Ammonium Laureth sulfosuccinate	0.32	2	fitful ignition	
Sodium Dioctyl sulfosuccinate	0.2	1-2		Not quite pourable
Potassium tristyryl phosphate	1	0		
Calcium alkylbenzene sulfonate	0.6	2-3	no ignition	apparent vis increase while heating
Amm. nonylphenol ethoxylate sulfate	1.2	5	no ignition	3 ethoxylates
" "	0.6	5	no ignition	
" "	0.35	5	no ignition	
" "	0.15	5	ignites	fitful burn
" "	0.09	4	2.9 mm/sec	exc. performance
Sodium octylphenol ether sulfate	0.2	3-4		Good Vis. Redn.
Sodium nonylphenol ethoxylate sulfate	0.3	5	no ignition	
" "	0.045	4	2.9 mm/sec	exc. performance
" "	0.025	1		sl. vis. redn present
Amm. C ₆₋₁₀ alcohol ether sulfate	0.66	5	no ignition	strong vis redn
" "	0.066	4	3.0 mm/sec	exc. performance
" "	0.033	1		sl. vis. redn present

* Relative viscosity reduction --- 0 - No reduction, 2 - just pourable to 5 - Outstanding reduction				
† Mixture of ammonium laureth and lauryl sulfates				