



StarChem Surfactants

StarChem, LLC produces a wide variety of chemistries that have varied applications. Please choose an application guide below to help you choose the appropriate StarChem technology for your chemical need.

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Chemical Applications

Surfactant Applications	StarChem Chemistries
Foaming agents	Betaines, sulfo-betaines, alkyl ether sulfates, hydroxysultaines, dioctyl sulfosuccinate (DOSS)
Sanitizers - Bleach Based	Amine oxides
Sanitizers - Quat Based	Quaternary ammonium salts (quats)
Cleaners	Quats, amine oxides and formulated surfactants
Degreaser Base	Quats and nonionic surface active compounds
Hydrotrope/Coupling Agent	Phosphate esters
Fabric Softener	Quats and fatty esters
Wetters	DOSS, anionic surfactants



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StarChem Surfactants

Chemistries	StarChem Product	Chemical Name	Physical State	~Activity	pH	Special Properties
Amphoteric Surfactants						
Betaines	StarSurf CAPB	Cocamidopropyl Betaine	Liquid	30	6 – 8	Efficient viscosity builder & wetter. Offers lower sensitivity
	StarSurf LAPB	Laurylamidopropyl Betaine	Liquid	30	6 – 8	Effective viscosity builder & wetter
Amine Oxides	StarSurf CAPOx	Cocamidopropylamine Oxide	Liquid	30	6 – 8	Excellent foam booster and detergent
	StarSurf LAPOx	Lauryl Amidopropylamine Oxide	Liquid	30	6 – 8	Offers excellent bleach stability and is a viscosity builder
	StarSurf LAOx	Laurylamine Oxide	Liquid	30	6 – 8	Excellent bleach stable foamer
	StarSurf MAOx	Myristylamine Oxide	Liquid	30	6 – 8	Excellent bleach stable foamer
Hydroxysultaines	StarSurf CAPHS	Cocamidopropyl Hydroxysultaine	Liquid	50	6 – 8	Alkaline stable foaming agent
Anionic Surfactants						
Sulfonates	StarSurf DOSS 70	Diocylsulfosuccinate (DOSS)	Liquid	70	6.5 – 7.5	Excellent foamer and re-wetter (variety of diluents available)
	StarTex AC Conc.	Alkyldiphenyloxide Disulfonate	Liquid	45	8 - 10	Excellent solubility & stability in acidic, alkaline, bleach & other oxidizing systems
	StarSurf ES 614	Ammonium Alkyl-Ether Sulfates	Liquid	60	5.5 - 7	Excellent all purpose foaming agent
Phosphates	StarChem PA 2672	Triethylamine Phosphate	Liquid	60	3 - 5	Effective scale inhibitor for calcium and other alkaline compounds
	StarSurf P-90	Phosphated Alcohol Ethoxylate	Liquid	90	8 - 10	Efficient hydrotrope and coupling agent for organics and salts
	StarSurf WFF	Surfactant Blend	Liquid	46	4 - 6	Excellent detergent stable with peroxides
Nonionic Surfactants						
Amides	StarSurf CDEA 11	Cocamide DEA (Diethanolamide)	Liquid	100	9 - 10	Efficient foamer and rheology modifier
	StarSurf CDEA 12	Cocamide DEA (Diethanolamide)	Liquid	100	9 - 10	Efficient foamer and rheology modifier
	StarSurf CMEA 11	Cocamide MEA (Monoethanolamide)	Liquid	100	9 - 10	Efficient foamer and rheology modifier
Alcohol Ethoxylates	StarSurf DA	Surfactant Blend	Liquid	99	6 - 7	Low foaming wetter
	StarSurf CMS	Surfactant Blend	Liquid	50	6.5 – 7.5	Good resistance to alkali, acids, and salts



StarChem HI&I Product Offering

Cationic Surfactants & Other Surface Actives						
Quats	StarSurf RTD	Ethoxylated Quat Blend	Liquid	35	7 - 10	Improves the performance of alkaline cleaners
	StarQuat TAM 20 DQ	Tallowamine Diethylsulfate Quat	Liquid	100	6 - 8	Peroxide stable and good hydrotrope for organics and salts
	StarQuat F-669	Tallowamine Diethylsulfate Quat	Liquid	100	6 - 8	Fabric softener and emulsifier
	StarChem BTMAC 60	Benzyltrimethylammonium Chloride	Liquid	60	6 - 8	Phase transfer agent and surface active agent
	StarQuat ESL Conc	Benzyltriethylammonium Chloride	Liquid	60	6 - 8	Phase transfer catalyst and coupling agent
	StarQuat T-85	Alkylbenzylammonium Chloride	Liquid	85	6 - 8	Concentrated surface active agent and disinfectant
	StarQuat T-50	Alkylbenzylammonium Chloride	Liquid	50	6 - 8	Excellent hard surface cleaner and disinfectant
	StarQuat CS-90	Polyquateryary Chloride	Liquid	60	6 - 8	Excellent corrosion inhibitor for HCl environments
	StarQuat 2611	Silane Quat	Liquid	70	6 - 8	Typically used in hand sanitizer applications
	Imidazolines /Amides	StarSoft 2669	Fatty Imidazoline Ethyl Sulfate Quat	Liquid	100	5 - 7
StarChem 2698		Fatty Amide Ethyl Sulfate Quat	Liquid	100	5 - 7	Fabric softener and debonder for nonwovens

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