

STARCHEM

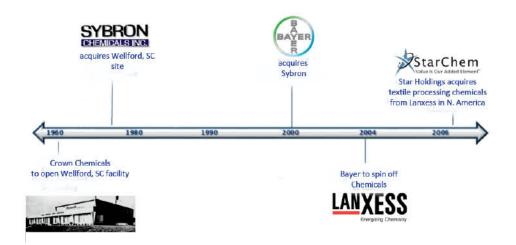
StarChem is a leading manufacturer of Specialty Chemicals, the key ingredients in oilfield, textiles, nonwovens, composites, consumer care and cleaning products. Our product portfolio incorporates 50 years of manufacturing experience of many chemistries and chemical technologies.

StarChem's sales professionals and technical service representatives have a thorough knowledge of our markets and customer needs. They are supported by a team of chemists and application exerts that help make recommendations on formulations and new applications in the industries that we serve. We excel at creating custom solutions and innovative products for all our customers

For more information about StarChem products and services please visit our website at www.StarChemGlobal.com

Our passion is innovation
Our focus in customer service
We strive for quality

BRIEF HISTORY



GLOBAL REACH

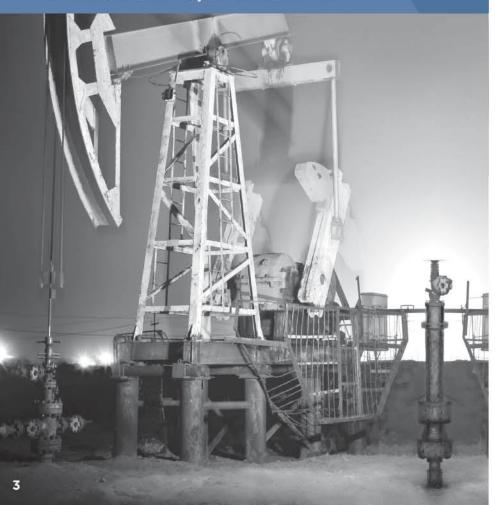


TABLE OF CONTENTS

	Market Segment	Page
"		
	Oil & Gas	3
	Textiles & Nonwovens	7
	Home, Institutional and Industrial (HI&I)	11
	Personal Care	15
	Chemical Intermediates	17
	Composites	19

OIL & GAS

StarChem has been manufacturing specialty chemicals for over 50 years. With this experience we strive to bring innovative solutions to our customers around the world. We offer a broad range of chemistries and technologies to many industrial and consumer markets. Our specialty chemicals are used in upstream oil and gas applications by oilfield formulators and service companies. These applications include drilling, production, stimulation, unconventional oil and gas recovery and transportation. StarChem focuses on innovation, environmentally responsible solutions and high performance chemicals for challenging technical environments. StarChem has a flexible organization and substantial chemical reaction capabilities as well as in-house blending. Our technologies provide solutions to reduce failure risk, increase operability and extend the equipment life of oil and gas production facilities. Please review our list of chemistries and contact us to discuss how we can partner to find solutions to fit your chemical needs.



CHEMICAL StarChem™ StarCare™ StarLube™ StarPel™ StarQuat™ StarSurf™ StarDefoam™ StarSil™ StarTex

Processes	Chemical Functions	StarChem Chemistries & Capabilities
Drilling	Foaming, corrosion inhibition, rheology modification, scale control, day and shale stabilization, dispersants, lubricants, emulsifiers and foam control	Betaines, hydroxysultaines, alkyl ether sulfates, quaternary ammonium salts (quats), fatty esters, imidazolines, phosphate esters, dioctyl sulfosuccinate (DOSS), fatty amides, silicones, polysorbate esters and PEG esters.
Cernenting	Foaming, corrosion control and wetters	DOSS, alky ether sulfates, quats, betaines, ethoxylates, hyroxysultaines and amine oxides
Completion	Corrosion inhibition, emulsifiers and wetters	Quats, imidazolines, fatty esters, and formulated surfactants
Stimulation	Foaming, corrosion inhibition, rheology modification, wetters, friction reducers, gellants, dispersants, emulsion breakers and foam control	Quats, alkyl ether sulfates, amine oxides, phosphate esters, formulated surfactants, fatty esters, imidazolines, betaines, hyroxysultaines, silicones polysorbate esters and PEG esters.
Production	Foaming, corrosion inhibition, hydrogen sulfide control (H2S), gellants, emulsifiers, demulsifiers, wetters and scale control	Quats, betaines, dioctyl sulfosuccinate (DOSS), amine oxides, triazines, phosphate esters, ethoxylates, formulated surfactants, and silicones
Transportation	Corrosion inhibition, deaners, and foam control	Quats, fatty esters, formulated surfactants, PEG esters, and silicones
Remediation	Geaners, wetters, scale control, biocide, foam control	DOSS, phosphonates, phosphate esters, quats, ethoxylates, silicones, and specialties
Blending	Broad in-house blending and customized chemical reactions	Various: rail access, blending, high shear vessels with heating and cooling, solid dispersion capabilities, high pressure, high temperature distillation, esterification, quaternization, compounding, polymerization, emulsification & homogenization, in-house flaking and more
Custom & Contract Manufacturing	Various reaction and compounding capabilities for customers requiring specific needs	Starchem provides customized chemistries and formulations for various customers. Please let us know your specific chemical requirements and we can build a partnership to meet your process and technical needs.

Chemistries	StarChem Product	Chemical Name	Physical State	Activity %	рН	Special Properties	
AMPHOTERIC SURF	ACTANTS						
Betaines	StarSurf CAPB	Cocamidopropyl betaine	Liquid	30	6 -8	Foaming agent, viscosity builder & wetter.	
	StarSurf CAPB 50	Cocamidopropyl betaine	Liquid	37	6 -8	Foaming agent, viscosity builder & wetter.	
	StarSurf H-CAPB	Cocamidopropyl betaine	Liquid	30	6 -8	Foaming agent, viscosity builder & wetter.	
	StarSurfLAPB	Laurylamidopropyl betaine	Liquid	30	6 -8	Foaming agent, viscosity builder & wetter.	
Amine Oxides	StarSurf CAPOx	Cocamidopropylamine oxide	Liquid	30	6 -8	Excellent foam booster and detergent and viscosity builder	
	StarSurf LAPOx	Lauryl amidopropylamine oxide	Liquid	30	6 -8	Offers excellent bleach stability and viscosity builder	
	StarSurfLMAPOX	Lauryl-myristyl amidopropylamine oxide	Liquid	30	6-8	Offers excellent bleach stability and viscosity builder	
	StarSurfLOx	Laurylamine oxide	Liquid	30	6 -8	Excellent bleach stable foamer and viscosity builder	
	StarSurf MOx	Myristylamine oxide	Liquid	30	6 -8	Excellent bleach stable foamer and viscosity builder	
Hydroxysultaines	StarSurf CAPHS	Cocamidopropyl hydroxysultaine	Liquid	30	6 -8	Alkaline stable foaming agent and is a viscosity builder. Thermal stable	
	StarSurf CAPHS 50	Cocamidopropyl hydroxysultaine	Liquid	44	6 -8	Alkaline stable foaming agent and is a viscosity builder. Thermal stable	
	StarSurfLAPHS	Lauramidopropyl hydroxysultaine	Liquid	30	6 -8	Alkaline stable foaming agent and is a viscosity builder. Thermal stable	
ANIONIC SURFACTA	ANTS						
Sulfonates	StarSurf DOSS	Dioctylsulfosuccinate (DOSS)	Liquid	70	6.5 -7.5	Excellent foamer and re-wetter (variety of diluents available)	
	StarSurfDDBSA	Sulfonated alkyl benzene	Liquid	100	5.5 - 7	Excellent all-purpose foaming agent, demulsifier properties	
	StarSurf ES 814	Ammonium alkyl-ether sulfates	Liquid	60	5.5 - 7	Excellent all purpose foaming agent	
	StarSurf ES 814 HG	Ammonium alkyl-ether sulfates	Liquid	60	5.5 - 7	Excellent all purpose foaming agent. Non-flamable	
	StarTex AC Conc.	Alkyldiphenyloxide disulfonate	Liquid	45	8-10	Excellent solubility and stability in acidic, alkaline, bleach & other oxidizing systems	
Phosphates	StarSurf P-90	Phosphated alcohol ehoxylate	Liquid	90	8-10	Efficient hydrotrope and coupling agent for organics and salts	
	StarSurf Phos 2672	Triethylamine phosphate	Liquid	60	3-5	Effective scale inhibitor for calcium and other alkaline compounds	
	StarSurf Phos 361	Phosphated alcohol	Liquid	100	3-5	Cleaner, efficient hydrotrope and coupling agent for organics and salts	

Chemistries	StarChem Product	Chemical Name	Physical State	Activity %	pН	Special Properties
ANIONIC SURFACT	'ANTS (CONT'D)					
Phosphates	StarSurf Phos 801	Phosphated alcohol	Liquid	100	3-5	$\label{thm:continuous} \textbf{G} \textbf{eaner}, \textbf{efficient} \textbf{hydrotrope} \textbf{ and } \textbf{coupling} \textbf{ agent} \textbf{ for organics} \textbf{ and } \textbf{ salts}$
	StarSurfWFF	Surfactant blend	Liquid	46	4-6	Excellent detergent stable with peroxides
SURFACTANTS (SP	ECIALTIES)					
Amides	StarSurfCDEA 11	Cocamide DEA (diethanolamide)	Liquid	100	9-10	Efficient foamer and rheology modifier
	StarSurfCMEA 11	Cocamide MEA (monoethanolamide)	Liquid	100	9-10	Efficient foamer and rheology modifier
Formulated Alcohol Ethoxylates	StarSurf DA	Surfactant blend	Liquid	99	6-7	Low foaming wetter
	StarSurfCMS	Surfactant blend	Liquid	50	6.5 – 7.5	Good resistance to alkali, acids, and salts
Formulated Cationics	StarSurf 2745	Surfactant blend	Liquid	82	6.5 – 8.5	Very good degreaser and effective in alkaline conditions
Formulated Anionics	StarSurf2914	Surfactant blend	Liquid	50	6.5 - 8.5	Good resistance to alkali and salts. Very stable foamer over a broad pH range
	StarSurf2754	Surfactant blend	Liquid	40	6.5 – 8.5	Excellent degreaser stable over a wide pH range.
NONIONICS						
StarChem offers a wide ra	inge of alkoxylated alcohols, pl	ease contact your StarChem repre	sentative for m	ore information o	n products th	at we have available for Oilfield.
CATIONICS						
Quaternary Amines (Quats)	StarQuat 300	Dicocodimethyl ammonium chloride	liquid	75	6-8	Cationic emulsifier for mineral seal oils. Promotes beading and rapid drying of rinse water
	StarQuat 300 HF	Dicocodimethyl ammonium chloride	liquid	75	6-8	Cationic emulsifier for mineral seal oils. Promotes beading and rapid drying of rinse water. High flash point version $ \frac{1}{2} \int_{-\infty}^{\infty} \frac{1}{2} \left(\frac{1}{$
	StarQuat BAP 75	Benzyl Alkyl-Pyridine Quat	Liquid	70	7-9	Oil soluble corrosion inhibitor used in formulated products.
	StarChem BTMAC 60	Benzyltrimethylammonium Chloride	Liquid	60	6-8	Gay and shale stabilization
	StarQuat CETAC 30	cetyl trimethyl ammonium chloride	Liquid	30	6-8	Cationic emulsifier used as a conditioner in, hair styling aids, creams and lotions to provide conditioning and softening
	StarQuat DCE 1214	Bisquat of dichloroethyl ether and C12-C14 dimethylamine	Liquid	70	6-8	Efficient water soluble corrosion inhibitor
	StarQuat CS-90	Polyquaternary Chloride	Liquid	60	6-8	Excellent corrosion inhibitor for HCI environments
	StarQuat ESL Conc	Benzyltriethylammonium Chloride	Liquid	60	6-8	Cationic surface active compound that improves degreasing efficiency
ADBAC Quats	StarQuat LBAC 80	C12-14alkyl-benzylammoni- um Chloride	Liquid	85	6-8	Efficient water soluble cationic emulsifier and corrosion inhibitor. Solvent is isopropa nol and water
	StarQuat LBAC 80 ETOH	C12-14 alkyl-benzylammoni- um Chloride	Liquid	85	6-8	Efficient water soluble cationic surfactant and corrosion inhibitor. Solvent is ethanol and Water
	StarQuat T-85	C12-14 alkyl-benzylammoni- um Chloride	Liquid	81	6-8	Efficient water soluble cationic surfactant and corrosion inhibitor
	StarQuat T-80	C12-14 alkyl-benzylammoni- um Chloride	Liquid	81	6-8	Water free cationic surfactant and corrosion inhibitor
	StarQuat T-50	C12-14 alkyl-benzylammoni- um Chloride	Liquid	50	6-8	Efficient water soluble cationic surfactant and corrosion inhibitor
SILICONES FLUIDS						
StarChem offers a wide ra	nge of polydimethylsiloxanes	(5 to 60000 cst). Please contain	ct your StarCher	m Sales represent	ative for mor	e information.
FOAM CONTROL						
Silicone	StarSil AC 1083	Silicone Compound	Liquid	100	7-9	Versatile silicone formulation base for most industrial applications
	StarSil AF 2577	Silicone Emulsion	Liquid	10	6-8	Very high performing low concentration silicone defoamer
	StarSil PD 250	Silicone Emulsion	Liquid	40	7-9	High performing defoamer for the alkaline conditions

Chemistries	StarChem Product	Chemical Name	Physical State	Activity %	рН	Special Properties
FOAM CONTROL	CONT'D)					
	StarSil PD 30	Silicone Emulsion	Liquid	25	7-9	Versatile industrial defoamer
Non-Silicone	StarDefoam 354	Mineral Oil	Liquid	100	6-8	Versatile mineral oil defoamer for most industrial applications
	StarDefoam PMD 100	Polymeric	Liquid	100	6-8	Concentrated defoamer for extreme industrial foaming conditions
IMIDAZOLINES /	AMIDES					
	StarSoft 2669	Fatty Imidazoline Ethyl-Sul- fate Quat	Liquid	100	5-7	Formulation additive, corrosion inhibitor, scale control, and wetter
	StarChem TOA 80 DQ	Fatty Imidazoline Ethyl-Sul- fate Quat	Liquid	80	7-10	Formulation additive, corrosion inhibitor, scale control, and wetter
	StarChem TOD 60	TOFA Imidazoline	Liquid	100	10-11	Formulation additive, corrosion inhibitor, scale control, and wetter
TRIAZINES						
	StarChem Triazine	Hexahydrotriazine	Liquid	78	6-8	Excellent H2S scavenger
StarChem makes custor	nized triazine blends using vario	us solvents and manufactured to	any level of acti	vity		
OTHER CHEMIST	RIES					
	StarTex PL Extra Conc	EDTA	Liquid	40	11	Scale control
	StarChem Metyl Soyate	Methyl ester	Liquid	100	NA	Eco-friendly solvent. Good for cutting oil and grease



TEXTILES & NONWOVENS

StarChem is leading chemical manufacture for the global textile market. Our main manufacturing site has been producing textile auxiliaries in Wellford, SC for over 50 years. With facilities in Choloma Honduras and Quebec Canada, we can provide local technical service, sales, and marketing support in North and Central America. We continue to develop products and technologies for nearly all textile applications; preparation, dying, finishing, printing, and nonwovens. Our textile applications laboratory can provide the best solution for your textile chemical needs. Contact us today!



CHEMICAL StarChem™ StarCare™ StarLube™ StarPel™ StarQuat™ StarSurf™ StarDefoam™ StarSil™ StarTex

	0101011011						
Application in Textiles		StarChem Chemistrie	15				
Pretreatment Auxiliaries		Buffers, alkali, scours, wette	ers, and deaners				
Softeners and Lotions		Organosiloxanes, fatty quat	temary ammoniun	n compounds (quats),	and fatty esters		
Wetters and Foamers		Dioctysulfosuccinates, amir	ne oxides, nonionic	surfactant blends			
Hydrophilics / Widding Agents		Organosiloxanes, fatty quat	ts, and polyesters				
Repellents		Fluorocarbons, waxes, and	siloxanes				
Composite Additives and Lubricants		Polypropylene emulsions, p	polyethylene emuls	ions, wax dispersions,	siloxanes, and ethyle	ne urea	
Durable Press Resins / Crosslinkers for Binders		Dimethyloldi hydroxyethyle	ene urea, melamin	e formaldehyde, and ι	ırea formaldehyde re	sins	
Antistats		Phosphate esters and quate	s				
Foam Control		Siloxane, minieral oil, and p	polymerics				
Flame Retardants		Durable flame retardants fo	or all synthetic and	natural fibers			
Binders and Hand Builders		Acrylics and polyurethane of	dispersions				
Anti-Slip		Waxes, polyethylenes, and	siloxanes				
Soil Release		Fluorocarbons and siloxane	es				
Specialty Products		Ethylene urea and odor con	ntrol additives				

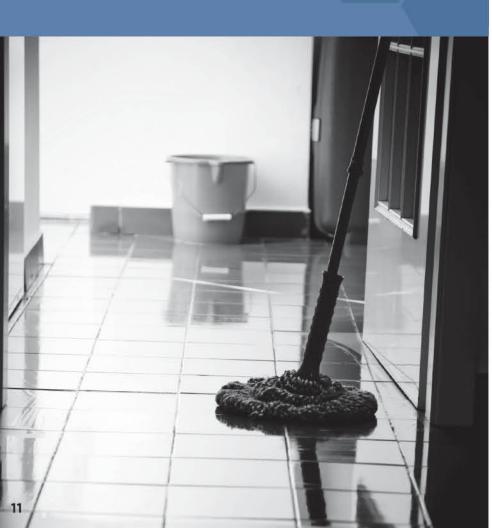
StarChem Products	Physical Appearance	%Activity	Viscosity	lonicity	рН	Application Description
PREPARATION						
StarTex MGP	Gear pale, yellow liquid	31-33%	< 100 cps	anionic	3-4 (5%)	Peroxide Bleach Stabilizer
StarTex GEO	Clay dispersion	28-29%	2500- 4000	nonionic	7-10	Gay Based Bleaching Agent
StarTex WM	Gear liquid	56-57%	150-300 cps	nonionic	5.0-5.5 (10%)	LowTemp Scouring Agent
StarSurfWFF-01	Gear liquid	45.6-46.3%	250 cps max	nonionic/ anionic	6.2-7.7 (5%)	Peroxide Bleaching Detergent
StarSurf DA Conc	Gear liquid	99-100%	250-500 cps	nonionic	6.0-7.0 (10%)	Low Foaming Wetting Agent
StarTex RCN	Gear amber liquid	49.0 - 51%	< 200 qs	anionic	6.0-8.0 (5%)	Scouring and Wetting Agent
FINISHING						
StarSurf 680	Gear light, yellow liquid	21-22%	< 100 cps	nonionic	6.25 - 7.25	Non-rewetting finishing aid
StarTex PH	Gear Iquid	18-20%	< 100 cps	anionic	4.4 - 4.9	Antistat for synthetic fibers
StarTex Resin BLF-C	Gear liquid	37-38%	< 50 cps	cationic	3.9 - 4.3	Precatalyzed buffered finishing resin
StarPel L-44	White liquid	28.5 - 29.5%	< 100 cps	cationic	3.0 - 5.0	Acrylic based water repellent
StarPel RBR-6	Off-white liquid	24.0-25.0%	< 250 cps	cationic	2.5 - 4.0	Extended fluorocarbon repellent
StarPel FC 2566	Off-white emulsion	23.0-25.0%	<100 cps	weakly cationic	3.0 - 7.0	C6 based fluorochemical soil release product that improves the resistance of fabrics to everyday soils

StarChem Products	Physical Appearance	%Activity	Viscosity	lonicity	рН	Application Description
FINISHING (CONT'D	D)					
StarPel FC 2655	Off-white emulsion	29.0-31.0%	<250 cos	weakly cationic	2.0 - 5.0	C6 fluoroalkyl copolymer the STARPEL™ FC 2655 is an eco-friendly, durable oil and water repellent for polyester, cotton, nylon fabrics and nonwovens.
StarPel 366-01	Off white liquid	25.75-28.75%	<250 cps	nonionic	3.5 - 4.5	Durable silicone water repellent having a high silicone oil content. It provides durable water repellency to all fibers and
StarTex Binder P		29.0-31.0%	<500 фs	NA	5.5 - 6.5	Dispersion of a high molecular weight linear polyester resin for use as a sizing agent or hand builder in fiber and textile processing
StarTex Binder VA	Milky-white liquid	54.0-56.0%	500 - 1500 cps	nonionic	4.0 - 6.0	Vinyl acetate finishing agent
StarPel 330R	Off-white emulsion	24.5-25.5%	< 200 cps	nonionic	2.5 - 3.5	Non-fluorocarbon water repellent & fluorocarbon extender
StarPel 391	Off-white emulsion	24.5-25.5%	< 200 cps	cationic	5.7 - 6.7	Reactive wax based flurocarbon extender
StarTex FR PE Conc	Gear to hazy liquid	32.5-34.5%	< 100 cps	anionic	5.75 - 7.75	Flame retardant for polyester fabrics
StarTex FR 908	Gear to hazy liquid	33.0-37.0%	<300 cps	anionic	6.5 - 8.5	Stable flame retardant polymer that is specifically designed for use on all polyamide-containing fabrics
StarTex FR STS	Gear liquid	39.0-43.0%	< 100 cps	NA	5.0 - 7.0	Non-durable flame retardant for blended fabrics
StarTex FR WRB	Gear to hazy liquid	47.7- 48.7%	< 100 cps	NA	5.5 - 6.5	Flame retardant for water repellent cellulosics
StarLube HD 35	Translucent tan liquid	35.0 - 36.5%	< 300 cps	nonionic	8.0 - 10.0	High density polyethylene softener & lubricant
StarLube 5442	Opalescent tan liquid	31.0 - 33.0%	< 500 cps	cationic	9.0 - 10.0	Polypropylene emulsion lubricant
StarSoft HCA	Off-white emulsion	19.0-21.0%	500 -1500 cps	cationic	3.5 - 4.5 (5%)	Cationic softening agent
StarSoft UKS	Off-white to yellow flakes	98.5 - 99.5%	solid	cationic	3.0 - 5.0 (1%)	Concentrated cationic softening agent
StarChem USV	Gear pale yellow liquid	26.5 - 30.5%	< 150 cps	nonionic	4.0 - 5.5	Hydrophilic polyurethane finishing agent
StarSoft SPU	Gear liquid w/blue cast	19.0 - 21.0%	<100 cps	Nonionic	4.0 - 6.0	Film forming reactive silicone softener
StarSoftTS-T3	Gear to pale yellow	29.0% - 31.0%	<300 cps	nonionic	3.5 - 5.5	Hydrophilic silicone softer with excellent hand
StarSoft WAM Conc.	Gear to pale yellow	65.0 -70.0%	<500 фs	slightly cationic	4.0 - 6.0	Low yellowing amino silicone softener
StarSoft 2550	White with blue cast	48.0 - 51.0%	<200 qs	slightly cationic	4.0 - 7.0	Elastomeric silicone softener for fabric and tissue
StarTex Resin 6036	Gear to yellow liquid	36.0%-37.0%	<100 cps	nonionic	5.0 - 7.0	Non-formaldehyde resin
StarTex Fresh PF	White liquid	26.5% - 32.5 %	<500 cps	anionic	7.8 - 8.5	Fabric treatment for odor control
DYEING						
StarChem AC Conc.	Yellow to brown liquid	45.0 - 47.0%	< 1500 cps	anionic	8.0 - 10.0 (10%)	Concentrated Nylon leveling agent for barre' control
StarTex Fix NOZ	Light amber liquid	10.0 - 12.0%	< 100 cps	cationic	4.0 - 6.0	Reactive and direct dye fixative for cellulosic fibers
StarTex Fix NBS	Dark brown powder	99.0 - 99.5%	solid	anionic	7.5-8.5 (1%)	Workhorse concentrated Nylon fixative
StarTex Fix 100 Conc	Slightly yellow liquid	45.0 - 46.0%	< 1500 cps	nonionic	8.0-9.0	Concentrated cationic dyeing fixative
StarTex ACF	Off-white dispersion	14.5 - 15.5%	< 300 cps	nonionic	3.5 - 6.5	Hydrophillic soil release agent for polyester
StarTex DS-12	Dark brown liquid	32.0 - 33.0 %	< 200 cps	anionic	5.5-6.5	Anionic dispersant/leveling agent for disperse dyes
StarTex Lev WWB	Light amber liquid	40.0 - 41.0%	< 200 cps	cationic	5.0 - 7.5	Versatile levelling agent for acid and direct dyes
StarTex Lev LP	Yellow to amber liquid	52.0 - 56.0%	< 500 cps	anionic	3.0 - 5.0 (10%)	Leveling and dispersing agent for polyester dyeing
StarTex Lev NYL-01	Amber dear to hazy liquid	48.0 - 52.0%	< 500 cps	nonionic	8.0 - 9.5 (5%)	Leveling and compatibilizer for acid dyes
StarTex NC-01	Gear liquid	74.6 - 76.2 RI	< 500 cps	nonionic	7.0 - 9.0 (5%)	Leveling and dyeing assistant for polyester and Nylon
StarTex RFH-01	Gear liquid	28.4 - 30.4%	<100 cps	anionic	11.0 - 13.0	Polyester after clearing agent

StarChem Products	Physical Appearance	%Activity	Viscosity	lonicity	рН	Application Description
DYEING (CONT'D)						
StarTex OB BA Liq	Gear yellow liquid	15 - 16%	< 100 cps	anionic	10.0 - 11.0	Cotton Optical Brightener (OBA)
StarTex OB BSU	Off-white dispersion	N/A	<300 фs	nonionic	7.5 - 8.5	Fluorescent whitening agent solution developed with low affinity for cellulosic fibers and blends with synthetics fibers
StarTex OB EBL Conc	Off-white dispersion	N/A	<300 фs	nonionic	4.0 - 8.0	Polyester Optical Brightening Agent (OBA)
StarTex OB CLE Liq	Gear yellow liquid	N/A	< 100 cps	anionic	4.0 - 6.0	Nylon Chlorine Fast OBA
StarLube 64	Off-white emulsion	21.5 - 22.5%	250 срѕ	nonionic	6.5 - 7.5 (5%)	Dyeing Lubricant
PRINTING						
StarTex FN	Opaque white liquid	N/A	12,000 cps	anionic	8.0 -9.0 (2.75%)	Synthetic pigment print thickener
StarSoft GA	White emulsion	35.85 - 37.85%	< 300 cps	nonionic	6.75 - 7.75	Silicone based pigment print softener
StarTex Binder KB-8-01	Milky white liquid	39.5 - 40.5%	< 1500 cps	nonionic	5.0 - 7.0	Self-crosslinking pigment print binder

HOME, INDUSTRIAL AND INSTITUTIONAL CLEANING (HI&I)

StarChem has been manufacturing specialty chemicals for over 50 years. With this experience we strive to bring innovative solutions to our customers. StarChem offers a broad range of chemistries and technologies to many industrial and consumer markets. StarChem's HI&I products bring value to many applications including laundry and dishwashing detergents, all-purpose cleaners, degreasers, disinfectants, vehicle-cleaning compounds, heavy-duty commercial and industrial cleaners and sanitizers. Please review our products and technologies and let us provide a solution for your specialty chemical needs.



StarQuat BAP 75

StarChem BTMAC 60

StarQuat CETAC 30

Benzyl Alkyl-Pyridine Quat

Benzyltrimethylammonium Chloride

cetyl trimethyl ammonium chloride

Chemistries	StarChem Product	Chemical Name	Physical State	Activity %	рН	Special Properties
AMPHOTERIC SURFAC	CTANTS		State	₩ ₩	TO THE STATE OF TH	
		Constitutional bacter	1523	20		
Betaines	StarSurf CAPB StarSurf CAPB 50	Cocamidopropyl betaine	Liquid	30	6-8	Efficient viscosity builder & wetter. Offers lower sensitivity. Suitable for sulfate free formulations.
		Cocamidopropyl betaine	Liquid	37	6-8	Efficient viscosity builder & wetter. Offers lower sensitivity. Suitable for sulfate free formulations.
	StarSurfH-CAPB	Cocamidopropyl betaine	Liquid	37	6-8	Hydrogenated Cocamidopropyl betaine. Suitable for sulfate free formulations.
A.:. 0:1.	StarSurfLAPB	Laurylamidopropyl betaine	Liquid	30	6-8	Effective viscosity builder & wetter. Suitable for sulfate free formulations.
Amine Oxides	StarSurf CAPOx	Cocamidopropylamine oxide	Liquid	30	6-8	Excellent foam booster and detergent
	StarSurfLAPOx	Lauryl amidopropylamine oxide	Liquid	30	6-8	Offers excellent bleach stability and is a viscosity builder
	StarSurfLMAPOX	Lauryl-myristyl amidopropylamine oxide	Liquid	30	6-8	Offers excellent bleach stability and is a viscosity builder
	StarSurfLOx	Laurylamine oxide	Liquid	30	6-8	Excellent bleach stable foamer
	StarSurf MOx	Myristylamine oxide	Liquid	30	6-8	Excellent bleach stable foamer
Hydroxysultaines	StarSurf CAPHS	Cocamidopropyl hydroxysultaine	Liquid	44	6-8	Alkaline stable foaming agent. Suitable for sulfate free formulations.
	StarSurf CAPHS 50	Lauramidopropyl hydroxysultaine	Liquid	30	6-8	Alkaline stable foaming agent. Suitable for sulfate free formulations.
	StarSurf LAPHS	Cocamidopropyl hydroxysultaine	Liquid	30	6-8	Alkaline stable foaming agent. Suitable for sulfate free formulations.
ANIONIC SURFACTAN		50 10 40 18 1 Naves	ta Kad	925-0	2255 miles	2 (2 (2) 2
Sulfonates	StarSurf DOSS 70	Dioctylsulfosuccinate (DOSS)	Liquid	70	6.5 – 7.5	Excellent foamer and re-wetter (variety of diluents available)
	StarSurfDDBSA	Sulfonated alkyl benzene	Liquid	100	5.5-7	Excellent all-purpose foaming agent, demulsifier properties
	StarSurf ES 814	Ammonium alkyl-ether sulfates	Liquid	60	5.5-7	Excellent all purpose foaming agent
	StarSurf ES 814 HG	Ammonium alkyl-ether sulfates	Liquid	60	5.5-7	Excellent all purpose foaming agent. Non-flamable
	StarTex AC Conc.	Alkyldiphenyloxide disulfonate	Liquid	45	8-10	Excellent solubility and stability in acidic, alkaline, bleach & other oxidizing systems
Phosphates	StarSurf P-90	Phosphated alcohol ehoxylate	Liquid	90	8-10	Efficient hydrotrope and coupling agent for organics and salts
	StarSurf Phos 2672	Triethylamine phosphate	Liquid	60	3-5	Effective scale inhibitor for calcium and other alkaline compounds
	StarSurf Phos 361	Phosphated alcohol	Liquid	100	3-5	Geaner, efficient hydrotrope and coupling agent for organics and salts
	StarSurf Phos 801	Phosphated alcohol	Liquid	100	3-5	Geaner, efficient hydrotrope and coupling agent for organics and salts
	StarSurfWFF	Surfactant blend	Liquid	46	4-6	Excellent detergent stable with peroxides
SURFACTANTS (SPEC	IALTIES)					
Amides	StarSurf CDEA 11	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
Formulated Alcohol Ethoxylates	StarSurfDA	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
Formulated Cationics	StarSurf 2745	Surfactant blend	Liquid	82	6.5 – 8.5	Very good degreaser and effective in alkaline conditions
Formulated Anionics	StarSurf 2914	Surfactant blend	Liquid	50	6.5 - 8.5	Good resistance to alkali and salts. Very stable foamer over a broad pH range
	StarSurf 2754	Surfactant blend	Liquid	40	6.5 – 8.5	Excellent degreaser stable over a wide pH range.
NONIONICS						
tarChem offers a wide range	of alkoxylated alcohols, please contact you	ur StarChem representative for more information on products t	hat we have avail	able for HI&I.		
CATIONICS						
Quaternary Amines (Quats)	StarQuat 300	Dicocodimethyl ammonium chloride	liquid	80	6-8	Cationic emulsifier for mineral seal oils. Promotes beading and rapid drying of rinse water
a test for	StarQuat 300 HF	Dicocodimethyl ammonium chloride	liquid	80	6-8	Cationic emulsifier for mineral seal oils. Promotes beading and rapid drying of rinse water. High flash point version
	StarQuat 400	Formulated cationic surface active compound	:70	80	6-8	Cationic emulsifier for mineral seal oils. Promotes beading and rapid drying of rinse water.
			2 5749	70		87 111 1111 1111 1111

7-9

6-8

6-8

Oil soluble corrosion inhibitor used in formulated products.

Cationic emulsifier used as a conditioner in, hair styling aids, creams and lotions to provide conditioning and softening

Clay and shale stabilization

StarChem Product	Chemical Name (INCI)	Physical State	Activity %	рН	Special Properties
StarQuat DCE 1214	Bisquat of dichloroethyl ether and C12-C14 dimethylamine	Liquid	70	6-8	Efficient water soluble corrosion inhibitor
StarQuat CS-90	Polyquaternary Chloride	Liquid	60	6-8	Excellent corrosion inhibitor for HCI environments
StarQuat ESL Conc	Benzyltriethylammonium Chloride	Liquid	60	6-8	Cationic surface active compound that improves degreasing efficiency
StarQuat LBAC 80	C12-14 alkyl-benzylammoni- um Chloride	Liquid	85	6-8	Efficient water soluble cationic. Solvent is isopropanol and water
StarQuat LBAC 80 ETOH	C12-14alkyl-benzylammoni- um Chloride	Liquid	85	6-8	Efficient water soluble cationic surfactant. Solvent is ethanol and Water
StarQuat T-85	C12-14 alkyl-benzylammoni- um Chloride	Liquid	81	6-8	Efficient water soluble cationic surfactant
StarQuat T-80	C12-14 alkyl-benzylammoni- um Chloride	Liquid	81	6-8	Water free cationic surfactant
StarQuat T-50	C12-14 alkyl-benzylammoni- um Chloride	Liquid	50	6-8	Efficient water soluble cationic surfactant
	StarQuat DCE 1214 StarQuat CS-90 StarQuat ESL Conc StarQuat LBAC 80 StarQuat LBAC 80 ETOH StarQuat T-85 StarQuat T-80	StarQuat DCE 1214 Bisquat of dichloroethyl ether and C12-C14 dimethylamine StarQuat CS-90 Polyquatemary Chloride StarQuat ESL Conc Benzyltriethylammonium Chloride StarQuat LBAC 80 C12-14 alkyl-benzylammonium Chloride StarQuat LBAC 80 ETOH StarQuat T-85 C12-14 alkyl-benzylammonium Chloride StarQuat T-80 C12-14 alkyl-benzylammonium Chloride StarQuat T-80 C12-14 alkyl-benzylammonium Chloride	StarQuat DCE 1214 Bisquat of dichloroethyl ether and C12-C14 dimethylamine Liquid StarQuat CS-90 Polyquaternary Chloride Liquid StarQuat ESL Conc Benzyltriethylammonium Chloride Liquid StarQuat LBAC 80 C12-14 alkyl-benzylammonium Chloride StarQuat LBAC 80 ETOH C12-14 alkyl-benzylammonium Chloride StarQuat T-85 C12-14 alkyl-benzylammonium Chloride StarQuat T-80 C12-14 alkyl-benzylammonium Chloride StarQuat T-80 C12-14 alkyl-benzylammonium Chloride StarQuat T-80 C12-14 alkyl-benzylammonium Chloride	StarQuat DCE 1214 Bisquat of dichloroethyl ether and C12-C14 dimethylamine Liquid 60 StarQuat CS-90 Polyquaternary Chloride Liquid 60 StarQuat ESL Conc Benzyltriethylammonium Chloride Liquid 60 StarQuat LBAC 80 C12-14 alkyl-benzylammonium Chloride Liquid 85 StarQuat LBAC 80 ETOH C12-14 alkyl-benzylammonium Chloride Liquid 85 StarQuat T-85 C12-14 alkyl-benzylammonium Liquid 81 StarQuat T-80 C12-14 alkyl-benzylammonium Liquid 81 StarQuat T-80 C12-14 alkyl-benzylammonium Liquid 81	StarQuat DCE 1214 Bisquat of dichloroethyl ether and C12-C14 dimethylamine Liquid 60 6-8 StarQuat CS-90 Polyquatemary Chloride Liquid 60 6-8 StarQuat ESL Conc Benzyltriethylammonium Chloride Liquid 60 6-8 StarQuat LBAC 80 C12-14 alkyl-benzylammonium Chloride Liquid 85 6-8 StarQuat LBAC 80 ETOH C12-14 alkyl-benzylammonium Chloride Liquid 85 6-8 StarQuat T-85 C12-14 alkyl-benzylammonium Liquid 81 6-8 StarQuat T-80 C12-14 alkyl-benzylammonium Chloride Liquid 81 6-8 StarQuat T-80 C12-14 alkyl-benzylammonium Chloride Liquid 81 6-8

SILICONES FLUIDS

StarChem offers a wide range of polydimethylsiloxanes (5 to 60000 cst). Please contact your StarChem Sales representative for more information.

FOAM CONTROL

FOAM CONTROL	-					
Silicone	StarSil AF 2577	Silicone Emulsion	Liquid	10	6-8	Very high performing low concentration silicone defoamer
	StarSil AF 30	Silicone Emulsion	Liquid	30	4-6	Versatile FDA compliant control agent
	StarSil PD 30	Silicone Emulsion	Liquid	25	7-9	Versatile industrial defoamer
	StarSil PD 250	Silicone Emulsion	Liquid	40	7-9	High performing defoamer for the alkaline conditions
	StarSil AC 1083	Silicone Compound	Liquid	100	7-9	Versatile silicone formulation base for most industrial applications
Non-Silicone	StarDefoam 354	Mineral Oil	Liquid	100	6-8	Versatile mineral oil defoamer for most industrial applications
	StarDefoam PMD 100	Polymeric	Liquid	100	6-8	Concentrated defoamer for extreme industrial foaming conditions
OTHER CHEMIS	TRIES					
	StarTex PL Extra Conc	EDTA	Liquid	40	11	Scale control
	StarChem Metyl Soyate	Methyl ester	Liquid	100	N/A	Eco-friendly solvent. Good for cutting oil and grease

PERSONAL CARE

StarChem LLC has been producing specialty chemical for over 50 years. In that time we have developed production technologies for a variety of chemistries and formulated products. These products can be used in a variety of markets and applications. Please see our list of unique products and technologies for your chemical solutions.



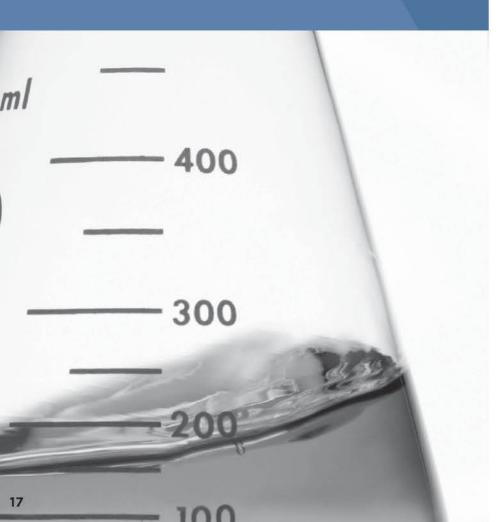
CHEMICAL StarChem™ StarCare™ StarLube™ StarPel™ StarQuat™ StarSurf™ StarDefoam™ StarSil™ StarTex™

Personal Care Applications	StarChem Chemistries
StarChem Chemistries	Buffers, alkali, scours, wetters, and deaners
Softeners and Lotions	Organosiloxanes, fatty quaternary ammonium compounds (quats), and fatty esters
Wetters and Foamers	Dioctysulfosuccinates, amine oxides, nonionic surfactant blends

Chemistries	StarChem Product	Chemical Name (INCI)	Physical State	Activity %	рН	Special Properties
AMPHOTERIC SURFAC	CTANTS					
Betaines	StarSurfCAPB	Cocamidopropyl betaine	Liquid	30	6-8	Efficient viscosity builder & wetter. Offers lower sensitivity. Suitable for sulfate free formulations.
	StarSurf CAPB 50	Cocamidopropyl betaine	Liquid	37	6 -8	Efficient viscosity builder & wetter. Offers lower sensitivity. Suitable for sulfate free formulations.
	StarSurf H-CAPB	Cocamidopropyl betaine	Liquid	37	6-8	Hydrogenated Cocamidopropyl betaine. Suitable for sulfate free formulations.
	StarSurfLAPB	Laurylamidopropyl betaine	Liquid	30	6-8	Effective viscosity builder & wetter. Suitable for sulfate free formulations.
Amine Oxides	StarSurfCAPOx	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
	StarSurfLMAPOX	Lauryl-myristyl amidopropylamine oxide	Liquid	30	6-8	Offers excellent bleach stability and is a viscosity builder
	StarSurfLOx	Laurylamine oxide	Liquid	30	6-8	Excellent bleach stable foamer
	StarSurfMOx	Myristylamine oxide	Liquid	30	6-8	Excellent bleach stable foamer
Hydroxysultaines	StarSurfCAPHS	Cocamidopropyl hydroxysultaine	Liquid	44	6-8	Alkaline stable foaming agent. Suitable for sulfate free formulations.
	StarSurf CAPHS 50	Lauramidopropyl hydroxysultaine	Liquid	30	6-8	Alkaline stable foaming agent. Suitable for sulfate free formulations.
	StarSurf LAPHS	Cocamidopropyl hydroxysultaine	Liquid	30	6-8	Alkaline stable foaming agent. Suitable for sulfate free formulations.
SURFACTANTS (SPECI	ALTIES)					
Amides	StarSurfCDEA 11	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
CATIONICS						
Quaternary Amines (Quats)	StarQuat 300	Dicocodimethyl ammonium chloride	liquid	80	6-8	Cationic emulsifier for mineral seal oils. Promotes beading and rapid drying of rinse water
ADBAC Quats	StarQuat CETAC 30	cetyl trimethyl ammonium chloride	Liquid	30	6-8	Cationic emulsifier used as a conditioner in, hair styling aids, creams and lotions to provide conditioning and softening
	StarQuat LBAC 80 ETOH	C12-14 alkyl-benzylammonium Chloride	Liquid	80	6-8	Efficient water soluble cationic surfactant. Solvent is ethanol and Water
	StarQuat T-80	C12-14 alkyl-benzylammonium Chloride	Liquid	80	6-8	Water free cationic surfactant
	StarQuat T-50	C12-14 alkyl-benzylammonium Chloride	Liquid	50	6-8	Efficient water soluble cationic surfactant
OTHER CHEMISTRIES						
	StarChem EU-40	2-Imidazolidone	Liquid	40	5-7	scavenging agent to reduce the free formaldehyde in phenolic, melamine, glyoxal and urea formaldehyde resin systems for personal care applications
	StarTex 1696	Sodium EDTA	Liquid	60	10 - 12.5	General purpose sequestering agent for calcium, copper, iron and magnesium hard water conditions
SILICONES						
Emulsions	StarCare E39	amodimethicone and trideceth-10 and cetrimonium Chloride	milky white, 35% solids	Hair Care	6-8	StarCare E39
	StarCare E39-12	amodimethicone and trideceth-12 and cetrimonium Chloride	milky white, 35% solids	Hair Care	6-8	StarCare E39-12

CHEMICAL INTERMEDIATES

StarChem LLC has been producing specialty chemical for over 50 years. In that time we have developed production technologies for a variety of chemistries and formulated products. These products can be used in a variety of markets and applications. Please see our list of unique products and technologies for your chemical solutions.



CHEMICAL StarChem™ StarCare™ StarLube™ StarPel™ StarQuat™ StarSurf™ StarDefoam™ StarSil™ StarTex

Application in Chemical Intermediates	Application in Chemical Intermediates
Formaldehyde Scavenger	Formaldehyde Scavenger
Phase Transfer Catalyst	Phase Transfer Catalyst
Polymer Additive	Polymer Additive
Odor Control	Quats and zeolite dispersions

	Name	Product Description	Physical State	Activity %	рН	Application Description
QUATS			June		54-	
Quaternary Amines (Quats)	StarQuat 300	Dicocodimethyl ammonium chloride	Liquid	80	6-8	Cationic emulsifier for mineral seal oils. Promotes beading and rapid drying of rinse water
	StarQuat BAP 75	Benzyl Alkyl-Pyridine Quat	Liquid	70	7-9	Oil soluble corrosion inhibitor used in formulated products.
	StarChem BTMAC 60	Benzyltrimethylammonium Chloride	Liquid	60	6-8	Clay and shale stabilization
	StarQuat CETAC 30	cetyl trimethyl ammonium chloride	Liquid	30	6-8	Cationic emulsifier used as a conditioner in, hair styling aids, creams and lotions to provide conditioning and softening
	StarQuat ESL Conc	Benzyltriethylammonium Chloride	Liquid	60	6-8	Cationic surface active compound that improves degreasing efficiency
ADBAC Quats	StarQuat LBAC 80	C12-14 alkyl-benzylammonium Chloride	Liquid	85	6-8	Efficient water soluble cationic. Solvent is isopropanol and water
	StarQuat LBAC 80 ETOH	C12-14 alkyl-benzylammonium Chloride	Liquid	85	6-8	Efficient water soluble cationic surfactant. Solvent is ethanol and Water
	StarQuat T-85	C12-14 alkyl-benzylammonium Chloride	Liquid	81	6-8	Efficient water soluble cationic surfactant
	StarQuat T-80	C12-14 alkyl-benzylammonium Chloride	Liquid	81	6-8	Water free cationic surfactant
	StarQuat T-50	C12-14 alkyl-benzylammonium Chloride	Liquid	50	6-8	Efficient water soluble cationic surfactant
OTHER CHEMISTRIES						
	StarChem EU 40	Ethylene Urea	Liquid	40	5-8	Formaldehyde scavenger and polymer additive
	StarChem EU 50	Ethylene Urea	Liquid	47	5-8	Formaldehyde scavenger. Purified for specialty applications; Pharma, coatings, and polymers
	StarTex Fresh PF	Zeolite dispersion	Liquid	30	8	Treatment for odor control

COMPOSITES

StarChem LLC has been producing specialty chemical for over 50 years. In that time we have developed production technologies for a variety of chemistries and formulated products. These products can be used in a variety of markets and applications. Please see our list of unique products and technologies for your chemical solutions.



CHEMICAL StarChem™ StarCare™ StarLube™ StarPel™ StarQuat™ StarSurf™ StarDefoam™ StarSil™ StarTex

Application in Chemical Composites	StarChem Chemistries
Composite Additives	Polyethylene, polypropylene, and paraffinic wax emulsions
Compatibilizers &Coupling Agents	Quaternary ammonium compounds, silanes & silane quats
Phase Transfer Catalysts	Quats and zeolite dispersions

PRODUCT OFFERINGS

	Name	Product Description	Physical State	Activity %	рН	Application Description
WAX EMULSIONS						
Stearylated Melamine	StarPel 391	Stearylated Melamine (cationic)	Liquid	25	9.0	Organic water repellent and fluorocarbon extender
	StarPel 330R	Stearylated Melamine (nonionic)	Liquid	25	5.0	Organic water repellent and fluorocarbon extender
Modified Polypropylene	StarLube 5442	Maleated propylene emulsion	Liquid	35	9.5	Lubricant for FRP (fiberglass re-enforced plastics), process aid / compatibilizer for FRP composites.
	StarLube 5440	Maleated propylene emulsion	Liquid	35	9.5	Lubricant for FRP (fiberglass re-enforced plastics), process aid / compatibilizer for FRP composites.
Polyethylene	StarLube HD 35	Polyethylene emulsion	Liquid	35	9.5	Lubricant for fiberglass composites, and chopped fiberglass.
	StarSoft HCA	Tallow imidazoline DES quat	Liquid	20	4.0	Lubricant for fiberglass composites, Repellent for nonwovens used in composites
	StarLube 243	Low density polyethylene emulsion	Liquid	40	9.0	Lubricant for fiberglass composites, Repellent for nonwovens used in composites. Good heat stability
	StarLube MPW II	Polyethylene / paraffin wax emulsion	Liquid	35	7.5	Lubricant for fiberglass composites, Repellent for nonwovens used in composites. Good heat stability
QUATS						
Quaternary Amines (Quats)	StarQuat 300	Dicocodimethyl ammonium chloride	Liquid	80	6-8	Cationic emulsifier for mineral seal oils. Promotes beading and rapid drying of rinse water
	StarQuat BAP 75	Benzyl Alkyl-Pyridine Quat	Liquid	70	7-9	Oil soluble corrosion inhibitor used in formulated products.
	StarChem BTMAC 60	Benzyltrimethylammonium Chloride	Liquid	60	6-8	Clay and shale stabilization
	StarQuat CETAC 30	cetyl trimethyl ammonium chloride	Liquid	30	6-8	Cationic emulsifier used as a conditioner in, hair styling aids, creams and lotions to provide conditioning and softening
	StarQuat ESL Conc	Benzyltriethylammonium Chloride	Liquid	60	6-8	Cationic surface active compound that improves degreasing efficiency
ADBAC Quats	StarQuat LBAC 80	C12-14 alkyl-benzylammonium Chloride	Liquid	85	6-8	Efficient water soluble cationic. Solvent is isopropanol and water
	StarQuat LBAC 80 ETOH	C12-14 alkyl-benzylammonium Chloride	Liquid	85	6-8	Efficient water soluble cationic surfactant. Solvent is ethanol and Water
	StarQuat T-85	C12-14 alkyl-benzylammonium Chloride	Liquid	81	6-8	Efficient water soluble cationic surfactant
	StarQuat T-80	C12-14 alkyl-benzylammonium Chloride	Liquid	81	6-8	Water free cationic surfactant
	StarQuat T-50	C12-14 alkyl-benzylammonium Chloride	Liquid	50	6-8	Efficient water soluble cationic surfactant



StarChem, LLC \cdot 10150 Greenville Highway \cdot Wellford, SC 29385 \cdot Phone: 1-800-677-3500

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written, or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by StarChem. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release StarChem from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contain herein is unauthorized and shall not bind StarChem. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.



Locations

StarChem, LLC 10150 Greenville Hwy Wellford, SC 29385 855-770-6336

StarChem Inc. 65 Cedar Point Dr. Suite #162 Barrie, ON L4N-9R3 855-770-6336

StarChem, S.A. Zona Libre Inhdelva Sur Building 22 Choloma, Honduras +504-2617-0590

StarChem S.A.S Cra 64 #35-30 Itagui, Anitoquia Columbia +574-6022382

Technical Support

Canada 855-770-6336 Columbia +574-6022382 Honduras +504-2617-0590 United States 855-770-6336

Find us on: f in E







www.StarChemGlobal.com

