



HOUSEHOLD CARE PRODUCT GUIDE



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SPECIALTY CHEMICALS FOR OVER 30 YEARS

With new technologies and fast, responsive service we've become one of the leading manufacturers of primary and secondary surfactants in North America. Paving the way for this growth has been the vision of success from a family owned business held close for nearly 30 years. Community oriented and environmentally friendly, we strive to have the lowest carbon footprint by utilizing suppliers that have like-minded awareness and sustainable practices.

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FILM & STREAKING REDUCERS

Ideal for all purpose, hard surface cleaners and glass cleaners. Use level: 1-3%

- Sopaltec JC-HA
- Sopaltec DSCYA-27
- Sopaltec JEM
- Techmine 280
- SCT-139
- Sopalex 340

HYPOCHLORITE BLEACH STABLE PRODUCTS

Useful in cleaners that contain hypochlorite.

- | | |
|--------------|--------------|
| Sopalex 340 | Techmine 290 |
| Sopalex 385 | Techmine 300 |
| Sopalex 390 | Sopal BT |
| Sopalex CDB | SCT-135 |
| Techmine 280 | SCT-139 |

HYDROGEN PEROXIDE STABLE PRODUCTS

Useful in cleaners that contain hydrogen peroxide

- | | |
|-----------------|-----------------|
| Sopalex 340 | Sopalex C-37 HP |
| Sopalex 385 | |
| Sopalex 390 | Techmine 280 |
| Sopalex 360 BET | Techmine 290 |
| Sopalex 360 HA | Techmine 300 |
| Sopalex F50 | Techmine 350 |

CLEANGREDIENTS™ LISTED PRODUCTS

SCT Surfactants that are listed on CleanGredients(TM), using the set of standards defined by the U.S. EPA Safer Choice Program

- SCT-140 (Listed as Potassium Cocoate)
- Sopal 611 AC
- Sopalex 360
- Sopalex 360 HA
- Sopalex F50
- Sopaltec CHS
- Techmine 300



QUALITY PRODUCTS

Southern Chemical & Textiles has been at the forefront of the sustainable manufacturing movement since 1984. We utilize raw materials from only trusted and verified sources that meet or exceed our sustainable sourcing requirements.

QUATERNARY CONDITIONER

QUATERNARY CONDITIONER					
PRODUCT NAME	CHEMICAL	PHYSICAL	SOLID %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Sopal Quat 1216	Sunflowerseed Amidopropyl Dimethylamine Lactate	Liquid	25	Sopal Quat 1216 is a 25% active cationic surfactant that is used primarily as a conditioner for lotion soap products. It is derived from a pure grade of sunflower oil which enhances its anionic compatibility. Sopal Quat 1216 has an advantage over Quaternary Ammonium Cationic conditioners in that it is highly compatible with common anionics.	Free



AMIDES

ALKANOLAMIDES

PRODUCT NAME	INCI NAME	PHYSICAL	FREE AMINE %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Techmide 165	Cocamide MEA	Flake	2	A 1:1 coconut monoethanolamide, which is designed for use in household/ concentrated I&I preparations. It is an excellent viscosity index improver, foam stabilizer and grease cutter. It has very low residual free amine and is a suitable replacement for diethanolamides.	Free
Techmide 180	Cocamide DEA	Liquid	7	Standard grade 1:1 Cocamide DEA derived from coconut oil.	Free
Techmide 220	Modified Cocamide DEA	Liquid	27	A rapidly biodegradable cocodiethanolamide. It is used in conjunction with anionics (soaps, sulfonates, and sulfates) or nonionics. It is water-soluble and provides wetting action. When back titrated with various fatty acids or organic acids such as DDBSA, It responds to building with electrolytes.	Free
Techmide 225	Modified Cocamide DEA	Liquid	22	A modified 2:1 Cocamide DEA already back titrated to deliver enhanced emulsification and viscosity build.	Free
Techmide 470	Cocamide DIPA	Liquid	5	Cold process amide that is a drop in replacement for Cocamide DEA that is 100% DEA free.	Free
Techmide LLDEA	Lauramide DEA	Liquid	10	Liquid Lauramide DEA.	Free

AMPHOTERICS

AMPHOACETATES

PRODUCT NAME	INCI NAME	PHYSICAL	ACTIVE %	SOLID %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Sopalteric DCP 40	Disodium Cocoampho-dipropionate	Clear Liquid	40	40	Mild emulsifiers, solubilizers, foaming and cleansing agents. Detergent for extra heavy-duty cleaners and all-purpose cleaners.	Free
Sopalteric DSC 90 LV	Disodium Cocoampho-diacetate	Clear Liquid	38	50	Provides mild and stable in alkaline and acidic environments making it ideal for industrial applications.	Free
Sopalteric DSCYA 27	Disodium Capryloampho-diacetate	Clear Liquid	27	35	An amphoteric derived from caprylic imidazoline. It has excellent wetting and detergent properties while providing low foam. Sopalteric DSCYA-27 has excellent stability in strongly alkaline and acid systems. Its low irritation properties make it ideal for personal care wipes.	Free
Sopalteric SCA 36	Sodium Cocoamphoacetate	Clear Liquid	36	42	Provides mild and stable in alkaline and acidic environments making it ideal for industrial applications.	Free
Sopalteric SLA 32	Sodium Lauroamphoacetate	Clear Liquid	32	39	Ultra pure mild amphoteric surfactant. Good foam quality in blends with sulfates surfactants.	Free

ALKYL AMIDO BETAINES

PRODUCT NAME	INCI NAME	PHYSICAL	ACTIVE %	SOLID %	PROPERTIES & APPLICATIONS	PRESERVATIVE
SOPALEX 360 BET	Cocamidopropyl Betaine	Clear Liquid	30	35	A cost effective light colored grade with no unsaturation with outstanding viscosity building and foam boosting properties. This grade contains a preservative.	CIT/MIT
SOPALEX 360 HA	Cocamidopropyl Betaine	Clear Liquid	30	35	A cost effective light colored grade with no unsaturation with outstanding viscosity building and foam boosting properties. This grade is preservative free and is protected from microbial growth through pH.	Free
Sopalex C-37 HP	Cocamidopropyl Betaine	Clear Liquid	32	37	A low color and odor Cocamidopropyl Betaine derived from stripped fatty acid. It is designed as an enhanced viscosity building component for use in liquid hand soaps. This grade is preserved by high pH and does not contain any other preservatives.	Free
Sopalex F50	Cocamidopropyl Betaine	Clear Liquid	37	45	High active grade of Cocamidopropyl Betaine from hydrogenated coconut oil.	Free

AMPHOTERICS

SULTAINES						
PRODUCT NAME	INCI NAME	PHYSICAL	ACTIVE %	SOLID %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Sopalteric CBS	Cocamidopropyl Hydroxysultaine	Clear Liquid	44	50	Fatty acid derived Cocamidopropyl Hydroxysultaine, with low odor & color. Excellent alternative to betaines for enhanced foam and mildness while also avoiding any California proposition 65 chemicals.	Free
Sopalteric CHS	Cocamidopropyl Hydroxysultaine	Clear Liquid	40	50	Standard Cocamidopropyl Hydroxysultaine made from hydrogenated coconut oil. Excellent alternative to betaines for enhanced foam and mildness while also avoiding any California proposition 65 chemicals.	Free
Sopalteric CHS FS	Cocamidopropyl Hydroxysultaine	Clear Liquid with precipitate	77	85	Low water, high active version of Cocamidopropyl Hydroxysultaine made from coconut oil. Excellent alternative to betaines for enhanced foam and mildness while also avoiding any California proposition 65 chemicals. The low water level of it makes this grade ideal for bar soaps and other formulations that cannot tolerate water.	Free
Sopalteric CS	Sodium Cocoampho-Hydroxypropyl-sulfonate	Clear Liquid	38	45	Displays good electrolyte stability and is high foaming when combined with anionics and moderate foaming by itself. It is also an efficient wetter.	Free
Sopalteric LHS	Lauramidopropyl Hydroxysultaine	Clear Liquid	40	50	Enhanced foam properties versus Cocamidopropyl Hydroxysultaine with better flash foam than Lauramidopropyl Betaine when formulated with common anionics. Excellent alternative to betaines for enhanced foam and mildness while also avoiding any California proposition 65 chemicals.	Free
Sopalteric LHS OG	Lauryl Hydroxysultaine	Clear Liquid	42	50	Hydrolytically stable and soluble in strong electrolyte media. Strongest flash foamer in the sultaine class. Excellent alternative to betaines for enhanced foam and mildness while also avoiding any California proposition 65 chemicals.	Free

AMPHOTERICS

ALKYL BETAINES						
PRODUCT NAME	INCI NAME	PHYSICAL	ACTIVE %	SOLID %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Sopalex 340	Octyl Betaine	Clear Liquid	38	50	Short chain alkyl betaine with good coupling properties. Extremely low foam and fast rinsing of it is very useful for CIP applications. Stable in acidic/basic systems, with hypochlorite bleach and hydrogen peroxide.	Free
Sopalex 385	Coco Betaine	Clear Liquid	31	37	Derived from coconut oil this product provides mildness, high foam and viscosity building. It is also stable in highly acidic formulations and is stable with hypochlorite bleach and hydrogen peroxide.	Free
Sopalex 390	Lauryl Betaine	Clear Liquid	31	37	Derived from natural fatty sources these products provide superior mildness, good foam and viscosity. It is also stable in highly acidic formulations and is stable with hypochlorite bleach and hydrogen peroxide.	Free

HI&I SPECIALTY AMPHOTERICS						
PRODUCT NAME	INCI NAME	PHYSICAL	ACTIVE %	SOLID %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Sopalteric JC HA	Sodium 2-Ethylhexyl-aminopropionate	Clear Liquid	43	43	An excellent hydrotrope with significant surfactant properties such as wetting and surface tension reduction. It is moderately soluble in caustic solutions and produces foam that is very low and reasonably fast breaking.	Free
Sopalteric JEM	Mix C8 Ampho-carboxylates	Clear Liquid	28	34	Amphoteric surfactant designed for low foam and fast wetting HI&I applications.	Free

ANIONICS

ALKYL ETHER SULFATES					
PRODUCT NAME	INCI NAME	PHYSICAL	ACTIVE %	PROPERTIES & APPLICATIONS	PRESERVATIVE
SCT-1056	Sodium Laureth Sulfate (2M)	Viscous Liquid	56	An ethanol free Sodium Lauryl Ether Sulfate containing an average of 2 moles of ethylene oxide. Its high activity and lack of flammability offer economical storage of sodium laureth sulfate that is still easy to dilute to the desired level in finished products. Final viscosity adjustments can be made using ammonium or sodium chloride.	
SCT-1070	Sodium Laureth Sulfate (2M)	Viscous Liquid	70	Effective in high-electrolyte systems. Emulsifier, wetting and dispersing agent.	Free
SCT-109	Sodium Laureth Sulfate (1M)	Liquid	28	A clear, colorless to pale yellow, viscous liquid. It is a Sodium Lauryl Ether sulfate derived from fatty alcohol, for use in healthcare. It is a superior raw material for building compounds in many industrial and household cleaning applications.	CIT/MIT
SCT-112	Sodium Laureth Sulfate (3M)	Liquid	60	A Sodium Lauryl Ether Sulfate derived from fatty alcohol with ethanol for easy handling. It is a superior raw material for building compounds in many industrial applications that allow for solvent presence.	Free
SCT-115	Sodium Laureth Sulfate (3M)	Liquid	28	A Sodium Lauryl Ether Sulfate derived from natural fatty alcohol in water. It is a superior raw material for building compounds in many industrial applications that do not allow for solvent presence.	CIT/MIT
SCT-119	Ammonium Laureth Sulfate (3M)	Liquid	27	An Ammonium Lauryl Ether Sulfate derived from natural fatty alcohol in water. It is a superior raw material for building compounds in many industrial applications that do not allow for solvent presence.	CIT/MIT

ALPHA OLEFIN SULFONATES					
PRODUCT NAME	INCI NAME	PHYSICAL	ACTIVE %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Sopaltex AS	Sodium C14-16 Olefin Sulfonate	Liquid	38-40	An Alpha Olefin Sulfonate derived from linear olefins for good viscosity building.	Free
Sopaltex AS HP	Sodium C14-16 Olefin Sulfonate	Liquid	38-40	An Alpha Olefin Sulfonate derived from linear olefins for good viscosity building. This grade is preservative free and is preserved by high pH.	CIT/MIT

ANIONICS

ALKYL SULFATES					
PRODUCT NAME	INCI NAME	PHYSICAL	ACTIVE %	PROPERTIES & APPLICATIONS	PRESERVATIVE
SCT-134 HV	Ammonium Lauryl Sulfate	Liquid	28	A naturally derived, vegetable based, 28% active solution of Ammonium Lauryl Sulfate with low unsulfated alcohol content. SCT-134 HV is a superior raw material for building compounds in many industrial applications.	CIT/MIT
SCT-135	Sodium Lauryl Sulfate	Liquid	29	A Sodium Lauryl Sulfate derived from fatty alcohols.	CIT/MIT
SCT-135 HP	Sodium Lauryl Sulfate	Liquid	29	A Sodium Lauryl Sulfate derived from fatty alcohols. This grade is preserved by high pH.	Free
SCT-570	Ammonium Lauryl Sulfate	Hazy Liquid	45	An high active Ammonium Lauryl Sulfate derived from fatty alcohol, utilizing batch processing to obtain complete sulfation of material. SCT-570 is a superior raw material for building compounds in many industrial applications.	CIT/MIT

SULFOSUCCINATES						
PRODUCT NAME	INCI NAME	PHYSICAL	ACTIVE %	SOLID %	PROPERTIES & APPLICATIONS	PRESERVATIVE
SCT-722	Disodium Laureth Sulfosuccinate	Liquid	32	40	A Disodium Laureth Sulfosuccinate derived from natural fatty alcohol ethoxylate. SCT-722 is a superior raw material for building compounds in many formulated products that do not allow for solvent presence. It is ideal where mildness is a must for applications like high frequency hand soaps.	CIT/MIT
SCT-725	Disodium Laureth Sulfosuccinate	Paste		40	A vegetable-derived sulfosuccinate, made without ethoxylates. It is a superior raw material for building compounds in many formulated products that do not allow for solvent presence. It is ideal where mildness is a must for applications like high frequency hand soaps and provides creamy dense foams with low use levels.	CIT/MIT
SCT-735	Disodium PEG-12 Dimethicone Sulfosuccinate	Liquid		50	An ultra-mild silicone sulfosuccinate, made for use in healthcare. It is a superior raw material for building compounds where irritation mitigation is key. It can be used in formulations for sensitive skin where product will not be rinsed.	Free
SCT-741A	Sodium Diethylhexyl Sulfosuccinate	Liquid		70	A highly effective anionic wetting agent, penetrating agent and surface tension reducer.	Free

PERFORMANCE CONCENTRATE

HAND SOAP SOLUTIONS					
PRODUCT NAME	INCI NAME	PHYSICAL	SOLID %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Sopal JSB	Water, Cocamidopropyl Betaine, PEG-80 Sorbitan Laurate, Sodium Trideceth Sulfate, PEG-150 Distearate	Liquid	min 41	Ultra mild systems designed for baby shampoos and "tear-free" claims. Proven low eye irritation also makes this ideal for high frequency hand soaps.	CIT/MIT
Sopal LF 55	Water, Sodium Laureth Sulfate, Cocamidopropyl Hydroxysultaine, Cocamidopropyl Betaine	Liquid	55	High active surfactant concentrate that offers excellent cleansing, foaming and viscosity building characteristics. Maximum mildness is achieved by incorporation of cocamidopropyl hydroxysultaine making this product ideal for high frequency hand soaps.	Free
Sopal 611	Sodium Laureth Sulfate, Lauryl Glucoside, Cocamidopropyl Betaine	Hazy Liquid	62	A proven composition for easy dilution even from extremely high actives, this concentrate provides an easy way to handle both SLES and Lauryl Glucoside.	Free
Sopal 611 AC	Sodium Laureth Sulfate, Lauryl Glucoside, Cocamidopropyl Betaine	Hazy Liquid	62	A proven composition for easy dilution even from extremely high actives, this concentrate provides an easy way to handle both SLES and Lauryl glucoside. This grade is highly microbially robust due to its high pH.	Free
Sopal CAS 50	Ammonium Lauryl Sulfate, Cocamidopropyl Hydroxysultaine	Liquid	50	Simple two component system that was designed for high performance at a low active level.	CIT/MIT
Sopal DFC 55	Sodium Laureth Sulfate, Cocamidopropyl Betaine, Decyl Glucoside	Hazy Liquid	55	High active and free of amides this concentrate provides ease of dilution and formulation.	CIT/MIT
Sopal LE 35	Water, Sodium Lauryl Sulfate, Sodium Laureth Sulfate, Cocamide MEA, Cocamidopropyl Betaine	Liquid	35	A performance concentrate that readily disperses at room temperature to yield clear formulations. Products derived from it are clear and can achieve high viscosity.	CIT/MIT
Sopal COCO	Water, Sodium Coco Sulfate, Coco Glucoside, Cocamidopropyl Hydroxysultaine	Hazy Liquid	47	A performance concentrate developed from renewable vegetable sources and is an excellent foamer and very mild to the skin.	Phenoxyethanol
SCT-140	Potassium Cocoate	Liquid	40	Naturally derived, high lathering liquid coconut-based soap for cost effective liquid cleaners. Mildness can be optimized by combining with Sopalteric sultaine and amphoacetate technologies.	Free

PERFORMANCE CONCENTRATE

HAND SOAP SOLUTIONS					
PRODUCT NAME	INCI NAME	PHYSICAL	SOLID %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Sopal LCW	Sodium C14 -16 Olefin Sulfonate, Cocamidopropyl Betaine	Liquid	35	Sopal LCW is a concentrate with the actives in a 3:1 ratio and is an effective way to avoid cold temperature stability issues that arise when handling AOS alone.	CIT/MIT
Sopal LSB	Disodium Laureth Sulfosuccinate, Sodium Lauryl Sulfoacetate	Liquid	40	Two component sulfoacetate delivery system with great foam and mildness. Sopal LSB gives maximum flexibility to the formulator to add in their own favorite components to produce a complete high performance system.	CIT/MIT
Sopal PO 65	Coco-Glucoside, Glycerol Oleate	Liquid	65	Easy to use viscosity builder and skin conditioning agent. Provides mildness to skin with pleasant conditioned after feel. An excellent addition to any high frequency hand soap.	Free
Sopal SF 50	Sodium C14-16 Olefin Sulfonate, Cocamidopropyl Hydroxysultaine, Cocamide MIPA	Liquid	50	A concentrated blend that has excellent salt/ viscosity response allowing for a wide variation in product dilutions while offering pleasant cleansing and foaming characteristics. The product is free of CA proposition 65 chemicals.	CIT/MIT

HI&I SPECIALTY CONCENTRATES					
PRODUCT NAME	CHEMICAL	PHYSICAL	ACTIVE %	PROPERTIES & APPLICATIONS	PRESERVATIVE
SCT-139	Alkanoate Salt	Liquid	40	A low foam surfactant hydrotrope that is very effective at reducing the lower cloud point (cold temperature) and raising the upper cloud point (high temperature) of various alkaline built nonionic cleaning solutions	Free
Sopal BT	Mixture of anionic and non-ionic surfactants	Liquid	16	A highly functional concentrate of hypochlorite stable surfactants designed to thicken bleach and caustic solutions. It can be used at 4-10% as the sole surfactant system where surface cling is necessary to increase the residence time on the hard surface.	Free

PERFORMANCE CONCENTRATE

LIQUID MONO-ALKANOLAMIDES

PRODUCT NAME	INCI NAME	PHYSICAL	SOLID %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Sopal ASCM	Cocamide MIPA, Sodium C14-C16 Olefin Sulfonate	Hazy Liquid	45	Liquid Cocamide MIPA. Standard use level of 4-8% in formulation to deliver completely cold process Cocamide MIPA. Sopal ASCM saves time, money and energy in production versus using a flaked material.	Free
Sopal SECM	Cocamide MIPA, Sodium Laureth Sulfate	Hazy Liquid	41	Liquid Cocamide MIPA. Standard use level of 4-11% in formulation to deliver completely cold process Cocamide MIPA. Sopal SECM saves time, money and energy in production versus using a flaked material.	Free
Sopal SLCM	Cocamide MIPA, Sodium Lauryl Sulfate	Hazy Liquid	43	Liquid Cocamide MIPA. Standard use level of 4-8% in formulation to deliver completely cold process Cocamide MIPA. Sopal SLCM saves time, money and energy in production versus using a flaked material.	Free

INDUSTRIAL SPECIALTY

PRODUCT NAME	CHEMICAL	PHYSICAL	ACTIVE %	SOLID %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Sopal OE	Oil Emulsifier	Liquid	100	100	A 100% active surfactant concentrate made from anionic and nonionic components. Sopal OE is powerful oil emulsifier that is compatible with a large range of solvents for dilution to desired activity level. Emulsified residues rinse freely with water with moderate foaming and are generally non harmful to vinyl and porous stone surfaces.	Free

COLD PEARLIZERS

PRODUCT NAME	INCI NAME	PHYSICAL	SOLID %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Sopal PFP	Sodium C14-C16 Olefin Sulfonate, Glycol Distearate, Cocamidopropyl Hydroxysultaine	Liquid	45	Proposition 65 free cold pearl. Add superior shine and luster to any clear product without the need for heat.	CIT/MIT
Sopal PFP-B	Sodium C14-C16 Olefin Sulfonate, Glycol Distearate, Cocamidopropyl Hydroxysultaine	Liquid	45	Proposition 65 free cold pearl. Add superior shine and luster to any clear product without the need for heat.	Benzoic acid
Sopal SFP	Water, Sodium C14-C16 Olefin Sulfonate, Glycol Stearate, Cocamidopropyl Betaine	Opaque Pearl Liquid	43	Amide-free cold pearl, designed to boost and stabilize foam and viscosity. Adds superior shine and luster to any clear product without the need for heat.	CIT/MIT

AMINE OXIDES

ALKYL AMINE OXIDES

PRODUCT NAME	INCI NAME	PHYSICAL	ACTIVE %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Techmine 280	Octyldimethyl-amine Oxide	Clear Liquid	40	An ultra-pure octyldimethylamine oxide that provides excellent hydrotrope and very low foaming characteristics. It is compatible with most surfactants and because there are no amide or ester groups in its chemical structure, Techmine 280 will not hydrolyze in acid systems. It is also stable in highly alkaline and strong electrolyte systems.	Free
Techmine 290	Decyldimethyl-amine Oxide	Clear Liquid	30	An ultra-pure decylamine oxide that provides good hydrotrope and moderate foaming characteristics. It is compatible with most surfactants and because there are no amide or ester groups in its chemical structure, Techmine 290 will not hydrolyze in acid systems. It does not contain EDTA or DPTA and is stable in highly alkaline and strong electrolyte systems.	Free
Techmine 300	Lauramine Oxide	Clear Liquid	30	Natural derived feedstock with renewable carbon index of 86%, free of non-biodegradable chelants. Industry standard amine oxides used in light duty liquids, bleach cleaners and hard surface cleaners. Will not hydrolyze in acid or highly alkaline products and is stable in peroxide and hypochlorite systems.	Free

AMIDO AMINE OXIDES

PRODUCT NAME	INCI NAME	PHYSICAL	ACTIVE %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Techmine 350	Cocamidopropyl-amine Oxide	Clear Liquid	32	Provides excellent viscosity control, wetting, foam boosting and foam stability. Works very well with alpha olefin sulfonate for long lasting foam. Great alternative for lauramine oxide when acid stability and hypochlorite bleach stability is not required.	Free

APPLICATIONS & PROPERTIES

	DRAVES WETTING		SURFACE ACTIVITY		FOAM		CAUSTIC SOLUBILITY	COUPLING
	● Fast ◐ Moderate ○ Slow	● Fast ◐ Moderate ○ Slow	● Fast ◐ Moderate ○ Slow	● Fast ◐ Moderate ○ Slow	● High ◐ Moderate ○ Low	● High ◐ Moderate ○ Low	● Excellent ◐ Good ○ Fair	● Excellent ◐ Good ○ Fair
Amphoterics	Acidic	Alkaline	Acidic	Alkaline	Generation	Stability		
Sopalteric DCP-40	◐	○	◐	◐	●	●	●	●
Sopalteric DSCYA-27	○	○	●	●	○	○	●	●
Sopalteric JC-HA	○	◐	◐	◐	○	○	◐	●
Sopalteric JEM	◐	◐	●	●	○	○	◐	●
Sopalteric CS	○	◐	◐	◐	◐	●	●	◐
Betaines								
Sopalex 360 BET	◐	◐	◐	◐	●	●	◐	●
Sopalex 340	○	○	◐	◐	○	○	●	●
Sopalex 385	●	●	◐	◐	●	●	◐	◐
Sopalex 390	●	●	◐	◐	●	●	◐	◐
Sultaines								
Sopalteric LHS	○	◐	◐	◐	●	●	●	●
Sopalteric CHS	○	○	◐	◐	●	◐	●	●
Sopalteric CBS	○	○	◐	◐	●	●	◐	●
Sopalteric LHS-OG	●	●	◐	◐	◐	◐	●	●
Amine Oxides								
Techmine 280	○	○	◐	◐	○	○	◐	●
Techmine 290	●	●	◐	◐	◐	◐	◐	●
Techmine 300	●	●	◐	◐	●	◐	◐	○
Specialties								
SCT-741A	●	●	●	●	◐	○	IC	IC
SCT-139	IC	●	IC	◐	○	○	◐	●
SCT-140	IC	●	IC	◐	●	●	◐	◐

IC = Incompatible Condition

Draves Wetting

Wetting is the property that describes the contact between cleaning solutions and the surfaces to be cleaned. No matter how effective a cleaner is, if it is not in contact with the target surface, it cannot do its job efficiently. Draves Wetting test measures the ability of a surfactant solution to displace air from a weighted skein of cotton by spreading wetting. Fast wetters are ideal for applications such as laundry where the faster the cleaning solution reaches the fabric, the more efficient the laundry is cleaned. Slow wetting is ideal for applications such as carpet cleaning where it is important that the cleaning solution remain on the surface where the soil is and not penetrate down into the carpet backing. Amphoteric surfactants demonstrate varying wetting abilities depending on pH.

Caustic Solubility

Many Industrial and Institutional cleaners, such as automatic dishwashing detergents, bottle washing, limescale removers, etc. rely on high concentrations of acids, bases or builders for cleaning and detergency. Surfactants are necessary to provide wetting, penetration and surface tension reduction while being soluble in these "extreme" solution environments. Products with greater caustic solubility can be used in high alkaline and high electrolyte formulations.

Foam

Foam is the result of surface tension phenomenon at a gas-liquid interface. Foam is either a desired or an undesired property of a surfactant. For example, in hand dishwashing, high foam is a key attribute and in automatic dish wash/HE laundry foam is detrimental.

Coupling

Coupling, also referred to as hydrotrope, is the ability of an ingredient to reduce or increase the cloud point and/or reduce the tendency of ingredients to crystallize. Coupling agents typically reduce viscosity in isotropic solutions. Ingredients that have surfactant properties as well as hydrotrope properties offer multi-functionality and flexibility to formulators.