



Chemistry[™]
Design^{by}

 Ascent Chemicals[™]

Product Catalog



For nearly a century, Ascent Chemicals has been more than a manufacturer—we've been a trusted partner, innovator, and problem solver in the specialty chemicals industry. Our diverse portfolio includes surfactants, chemical intermediates, defoamers, and flame retardants, all designed with precision, performance, and sustainability in mind.

We offer a wide range of plant-based and tallow-based solutions, utilizing renewable resources such as natural fatty acids, vegetable oils, and tall oil byproducts. Whether it's high-performance surfactants, process-efficient defoamers, or advanced flame retardants, our products help customers meet their efficiency, sustainability, and performance goals.

At Ascent, chemistry is more than what we make—it's how we work. It's the bond between us and our customers, built on trust, expertise, and an unrelenting commitment to solving challenges. We don't just supply chemicals; we design solutions.

It only happens by design.

Chemistry
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Sierra Surfactants

Ascent Chemicals offers a versatile and high-performance range of surfactants designed to meet the needs of diverse industries across the chemical sector. Our portfolio includes anionic, cationic, amphoteric, nonionic, and specialty surfactants, with both plant-based and tallow-based options available to meet specific formulation requirements. From industrial processes and personal care to agriculture, coatings, and beyond, our surfactants enhance emulsification, wetting, dispersion, and foam control, delivering efficient and reliable solutions for even the most demanding applications.

Anionic Surfactants				
Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
Diocetyl Sulfosuccinates				
SierraSurf DOSS 70 E	Diethylhexyl Sodium Sulfosuccinate and Ethyl Alcohol	577-11-7	Clear Colorless Liquid	70
SierraSurf DOSS 70 IPA	Diethylhexyl Sodium Sulfosuccinate and Isopropyl Alcohol	577-11-7	Clear Pale Yellow Liquid	70
SierraSurf DOSS 70 DEG	Diethylhexyl Sodium Sulfosuccinate and Diethylene Glycol	577-11-7	Clear Colorless Liquid	70
SierraSurf DOSS 70 PG	Diethylhexyl Sodium Sulfosuccinate and Propylene Glycol	577-11-7	Clear Pale Yellow Liquid	70
SierraSurf DOSS 70 N	Diethylhexyl Sodium Sulfosuccinate and Polypropylene Glycol	577-11-7	Clear Pale Yellow Liquid	70
Disodium Sulfosuccinamate				
SierraSurf DOSI A 18	Disodium N-octadecylsulfosuccinamate	14481-60-8	Hazy/Opaque White Liquid	33
Sulfated Specialties				
SierraSulf SCO 50	Sulfated Castor Oil 50%	68187-76-8	Clear Amber Liquid	50
SierraSulf SCO 70	Sulfated Castor Oil 70%	68187-76-8	Clear Amber Liquid	70
SierraSulf SCO 75	Sulfated Castor Oil 75%	68187-76-8	Clear Amber Liquid	75
SierraSulf TO	Sulfated Tall Oil	61790-35-0	Clear Amber Liquid	70
SierraSulf CO	Sulfated Canola Oil	61790-19-0	Clear Amber Liquid	80
SierraSulf OA 55	Sulfated Oleic Acid 55%	67998-94-1	Clear Amber Liquid	55
SierraSulf OA 80	Sulfated Oleic Acid 80%	67998-94-1	Clear Amber Liquid	80
SierraSulf SBO	Sulfated Butyl Oleate	68039-10-1	Clear Amber Liquid	65
SierraSulf SMO	Sulfated Methyl Oleate	68953-26-4	Clear Amber Liquid	30
SierraSulf SCO-OA	Sulfated Castor Oil & Sulfated Oleic Acid Blend	68187-76-8	Clear Amber Liquid	75
SierraSulf T	Sulfated Tallow	8052-50-4	Tan Paste	80
SierraSulf FT	Sulfated Fancy Tallow	8052-50-4	Clear Amber Liquid	68
Sulfated & Sulfonated				
SierraSulf ALS	Ammonium Lauryl Sulfate	2235-54-3	Clear to Slightly Yellow Liquid	30
SierraSulf ALES	Ammonium Laureth Sulfate	32612-48-9	Clear to Slightly Yellow Liquid	30
SierraSulf SLS	Sodium Lauryl Sulfate	151-21-3	Clear Amber Liquid	30
SierraSulf 2-EH NA	Sulfated 2-ethylhexanol NA	126-92-1	Clear Yellow Liquid	60

SierraSulf 2-EH NH	Sulfated 2-ethylhexanol NH	70495-37-3	Clear Straw Colored Liquid	60
SierraSulf Nonoxynol 4 NH	Ammonium Nonoxynol 4 Sulfate	31691-97-1	Clear Straw Colored Liquid	60
SierraSulf Neodol 25-3	Neodol 25-3 Sulfate	32612-48-9	Clear to Slightly Hazy Liquid	60
SierraSulf DDBSA 40	Dodecylbenzene Sulfonic Acid 40% Solution	25155-30-0	Clear Yellow Liquid	40

Phosphated Esters

SierraPhos DA-4	Deceth 4 Phosphate	78330-20-8	Clear Colorless to Amber Liquid	99
SierraPhos DA-6	Deceth 6 Phosphate	61827-42-7	Clear to Light Yellow Liquid	99
SierraPhos TDA-6	Trideceth 6 Phosphate	73038-25-2	Clear Colorless to Pale Yellow Liquid	99
SierraPhos TDA-8	Trideceth 8 Phosphate	73038-25-2	Clear Colorless to Pale Yellow Liquid	99
SierraPhos NP-4	Nonoxynol 4 Phosphate	51811-79-1	Clear Colorless to Pale Yellow Liquid	99
SierraPhos NP-6	Nonoxynol 6 Phosphate	51811-79-1	Clear Colorless to Pale Yellow Liquid	99
SierraPhos NP-9	Nonoxynol 9 Phosphate	51811-79-1	Clear Colorless to Pale Yellow Liquid	99
SierraPhos NP-10	Nonoxynol 10 Phosphate	51811-79-1	Clear Colorless to Pale Yellow Liquid	99
SierraPhos 2-EH	2-ethylhexanol Phosphate	12645-31-7	Clear to Slightly Hazy Straw Liquid	99
SierraPhos 2-EH 2 EO	2-ethylhexanol Phosphate 2 EO	68439-39-4	Clear Colorless Liquid	99

Fatty Acid Soaps

SierraSoap KC	Potassium Cocoate	61789-30-8	Clear Amber to Yellow Liquid	21
SierraSoap KL	Potassium Laurate	61789-30-8	Clear Colorless to Pale Yellow Liquid	21
SierraSoap KO	Potassium Oleate	143-18-0	Clear Amber Liquid	17
SierraSoap KS	Ammonium Stearate	1002-89-7	White Pearlescent Liquid	33

Cationic Surfactants

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
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Quaternary Ammonium Compounds

SierraQuat TAM 2 DES	Polyethylene Glycol Hydrogenated Tallow Amine Ethyl Sulfate	68071-98-7	Clear Amber Liquid	100
SierraQuat TAM 15 DES	Polyethylene Glycol Hydrogenated Tallow Amine Ethyl Sulfate	68071-98-7	Clear Amber Liquid	100
SierraQuat TAM 20 DES	Polyethylene Glycol Hydrogenated Tallow Amine Ethyl Sulfate	68071-98-7	Clear Amber Liquid	100
SierraQuat go	Quaternized Oleic Imidazoline Amide	68511-92-2	Dark Amber Liquid	90
SierraQuat go LVOC	Quaternized Oleic Imidazoline Amide Low VOC	68511-92-2	Clear Amber Liquid	90

Corrosion Inhibitors

SierraCor OLEIC:DETA	Oleic Acid-Diethylenetriamine Imidazoline	61790-69-0	Clear Yellow to Amber Liquid	99
SierraCor OLEIC:DETA +	Oleic Acid-Diethylenetriamine Imidazoline (High Ring Closure)	61790-69-0	Clear Yellow to Amber Liquid	99
SierraCor TOFA:DETA	Tall Oil Fatty Acid-Diethylenetriamine Imidazoline	61790-69-0	Clear Yellow Liquid	99
SierraCor TOFA:DETA +	Tall Oil Fatty Acid-Diethylenetriamine Imidazoline (High Ring Closure)	61790-69-0	Clear Yellow Liquid	99
SierraCor TOFA:AEEA	Tall Oil Fatty Acid-Aminoethylethanolamine Imidazoline	61791-39-7	Dark Amber Liquid	99

Amphoteric Surfactants

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
Betaines, Sultaines, & Amine Oxides				
SierraSurf CAPB 25	Cocamidopropyl Betaine 25%	61789-40-0	Clear Amber Liquid	25
SierraSurf CAPB 30	Cocamidopropyl Betaine 30%	61789-40-0	Clear Amber Liquid	30
SierraSurf CAPB 35	Cocamidopropyl Betaine 35%	61789-40-0	Clear Amber Liquid	35
SierraMine LO	Lauramine Oxide	1643-20-5	Clear Colorless Liquid	30

Nonionic Surfactants

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
Alkanolamides				
SierraMide DEA	Cocamide DEA	68603-42-9	Clear Light Amber Liquid	100
SierraMide MEA	Lauramide MEA	142-78-9	Off-white Solid	100
PEG Esters				
SierraSurf DL	PEG Dilaurates	9005-02-1	Clear Colorless to Pale Yellow Liquid	100
SierraSurf DO	PEG Dioleates	9005-07-6	Clear Yellow Liquid	100
SierraSurf DT	PEG Ditallates	61791-01-3	Clear Light Amber Liquid	100
SierraSurf ML	PEG Monolaurates	9004-81-3	Yellow Liquid	100
SierraSurf MO	PEG Monooleates	9004-96-0	Clear Light Amber Liquid	100
SierraSurf MT	PEG Monotallates	61791-00-2	Clear Dark Amber Liquid	100
SierraSurf DS	PEG Distearates	9005-08-7	Opaque White Solid	100
SierraSurf MI	PEG Monostearates	56002-14-3	Yellow Liquid	100
SierraSurf PEL	PEG Pelargonate	31621-91-7	Clear Light Amber Liquid	100

Other

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
Straight Esters				
SierraEster BO	Butyl Oleate	142-77-8	Clear Amber Liquid	100
SierraEster BS	Butyl Stearate	123-95-5	Clear Colorless to Pale Straw Liquid	100
SierraEster GS	Glyceryl Stearate	31566-33-1	White to Off-white Wax Flakes	100
SierraEster GM	Glyceryl Monooleate	37220-82-9	Clear Straw Liquid	100
SierraEster SM	Sorbitan Monooleate	1338-43-8	Clear Amber Liquid	100
SierraEster ST	Sorbitan Trioleate	26266-55-0	Yellow to Amber Liquid	100
SierraEster TS	Tridecyl Stearate	31556-45-3	Clear Amber Liquid	100
SierraEster TM	Trimethylolpropane Monomerate	403507-18-6	Clear Straw to Amber Liquid	100
SierraEster PT	Pentaerythritol Tristearate	28188-24-1	Opaque Off-white Waxy Solid	100

Plasticizers

SierraPlas DM	Diethylhexyl Maleate	142-16-5	Clear Colorless to Pale Yellow Liquid	99
SierraPlas OO	Octyl Oleate	26399-02-0	Clear Pale Straw Liquid	99

EtnaFoam Defoamers

Ascent Chemicals offers an extensive line of EtnaFoam Defoamers and Defoamer Bases, providing tailored foam control solutions for diverse applications. Designed to work synergistically with Ascent's surfactants, our portfolio includes over 200 high-performance products, spanning non-silicone and silicone options, as well as versatile defoamer bases for custom formulations.

Defoamer Bases

Product	% Active	% Silicone	FDA Indirect Compliant
Silicone-based			
EtnaFoam 41B	100	100	Yes
EtnaFoam KI	100	100	No
EtnaFoam 41M-EM	100	80	No
Non-silicone-based			
EtnaFoam HS N	100	<2	No
EtnaFoam HS P	100	<1	No
EtnaFoam 700 N	100	None	Yes
EtnaFoam 700 S	100	None	Yes
PPG-based			
EtnaFoam PPG 2025	100	<4	No
EtnaFoam PPG 2025 DT	100	None	No
Wax-based			
EtnaFoam EBSA	100	None	No

Silicone Defoamers

Product	% Active	% Silicone	FDA Indirect Compliant
Silicone Emulsions			
EtnaFoam SE 3	5	3	No
EtnaFoam SE 5	8	5	No
EtnaFoam SE 10	14	10	No
EtnaFoam SE 20	26	20	No
EtnaFoam SE 30	33	26	No
FDA Indirect Compliant Silicone Emulsions			
EtnaFoam SE-FG 5	8	5	Yes
EtnaFoam SE-FG 10	15	10	Yes
EtnaFoam SE-FG 20	26	20	Yes
Free-rinsing Silicone Emulsions			
EtnaFoam SE-FR 3	6	3	No
EtnaFoam SE-FR 3.5	6	3	Yes
EtnaFoam SE-FR 8	14	8	No
EtnaFoam SE-FR 20	35	20	No
Oil-based with Silicone Boost			
EtnaFoam OB+	100	3	No

Nonsilicone Defoamers

Product	% Active	% Silicone	FDA Indirect Compliant
Bio-based			
EtnaFoam OB-ECO	100	<1	No
EtnaFoam OB-ECO+	100	<1	No
Oil-based			
EtnaFoam OB-P 100	95	<1	No
EtnaFoam OB-P FG	98.5	<1	Yes
EtnaFoam OB-N WE	50	<1	No
EtnaFoam OB-N 100	100	None	No
EtnaFoam OB-N 200	100	None	No
EtnaFoam OB-N 300	100	<1	No
PPG-based			
EtnaFoam PPG 820	100	None	No
EtnaFoam PPG 2043	100	<1	No
EtnaFoam PPG WE	24	<1	No
Fatty Alcohol-based			
EtnaFoam FA 4580	100	None	No
EtnaFoam FA 2056	100	<1	No

PyrGuard Phosphorus Flame Retardants

Ascent Chemical's PyrGuard flame retardants offer safer, eco-conscious alternatives to brominated and chlorinated compounds, serving industries like textiles, construction, furniture, electronics, and transportation. Focused on phosphorus-based systems, our solutions deliver proven fire resistance while meeting strict safety standards. Whether you need a durable treatment for fabrics or an environmentally responsible solution, Ascent's tailored offerings provide exceptional fire resistance and reliability. Let our expertise help safeguard your materials and applications.

PyrGuard 62

PyrGuard 62 is a highly concentrated dispersion of water insoluble fire retardants. It is processed into a refined micro dispersion for easy delivery to into most processes. PyrGuard 62 has very high activity and is effective in many applications where lower solids materials are not suitable. PyrGuard 62 does not affect the substrate's color and it is odorless & non-fuming. PyrGuard 62 is designed to be an effective and safe replacement for brominated and chlorinated compounds. The high concentration, small particle size, safe ingredients, and effectiveness of PyrGuard distinguish it from other fire retardants.

PyrGuard 66

PyrGuard 66 is a durable flame retardant for polyester fabrics ideally suited for drapery, upholstery, and automotive products. The product is also effective to a lesser degree on various blends such as nylon and polypropylene and it can be used to pass NFPA 701 small-scale tests on fabrics that have a flame-retardant back coating. PyrGuard 66 has excellent compatibility with most latex systems employed in back coating. These systems are usually applied to automotive fabrics, wall panel fabrics and upholstery products. These formulas usually contain 10-30% PyrGuard 66 and the balance, latex. The systems are thickened to required viscosity and back coated. These systems are innocuous when compared to the more toxic brominated products and antimony oxide. PyrGuard 66 is noncorrosive and passes dielectric sealing.

PyrGuard KK

PyrGuard KK is a highly effective, semi-durable organic flame retardant. It is nontoxic, non-hygroscopic, rust inhibiting and will not cause color change with most dyestuffs. PyrGuard KK is suitable for use on all types of cotton or rayon fabrics including those that have synthetic fibers present, such as polyester. The product was originally designed for use on drapery and decorative fabrics including those fabrics composed of cotton and cotton/polyester which require a flame-retardant topical finish durable to dry cleaning.

PyrGuard 102-52A

PyrGuard 102-52A is a highly effective, semi-durable organic flame retardant. It is nontoxic, not hygroscopic, rust inhibiting and will not cause color change with most dyestuffs. It is suitable for use on all types of cotton or rayon fabrics including those that have synthetic fibers present such as polyester. The product was originally designed for use on drapery and decorative fabrics including those fabrics composed of cotton and cotton/polyester which require a flame-retardant topical finish, non-rusting and durable to dry cleaning.

PyrGuard DAP

PyrGuard DAP is a versatile flame retardant based on diammonium phosphate (DAP), offering superior fire resistance for textiles, cellulose-based materials, and wood products. It suppresses flames by releasing inert gases in the gas phase and forms a protective char layer in the condensed phase, insulating materials from heat and oxygen. Easily applied via dipping, spraying, or impregnation, PyrGuard DAP ensures consistent fire protection and meets stringent safety standards. Its proven performance makes it an ideal choice for industries like construction, furniture manufacturing, textiles, and transportation.

Surfactants

Ascent offers a full range of phosphate surfactants that work synergistically with our PyrGuard Phosphate-based systems to improve performance.



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