



Innovating
Clean
Simplifying
Care

 **Ascent Chemicals™**

**Household, Industrial,
and Institutional
Specialty Products**

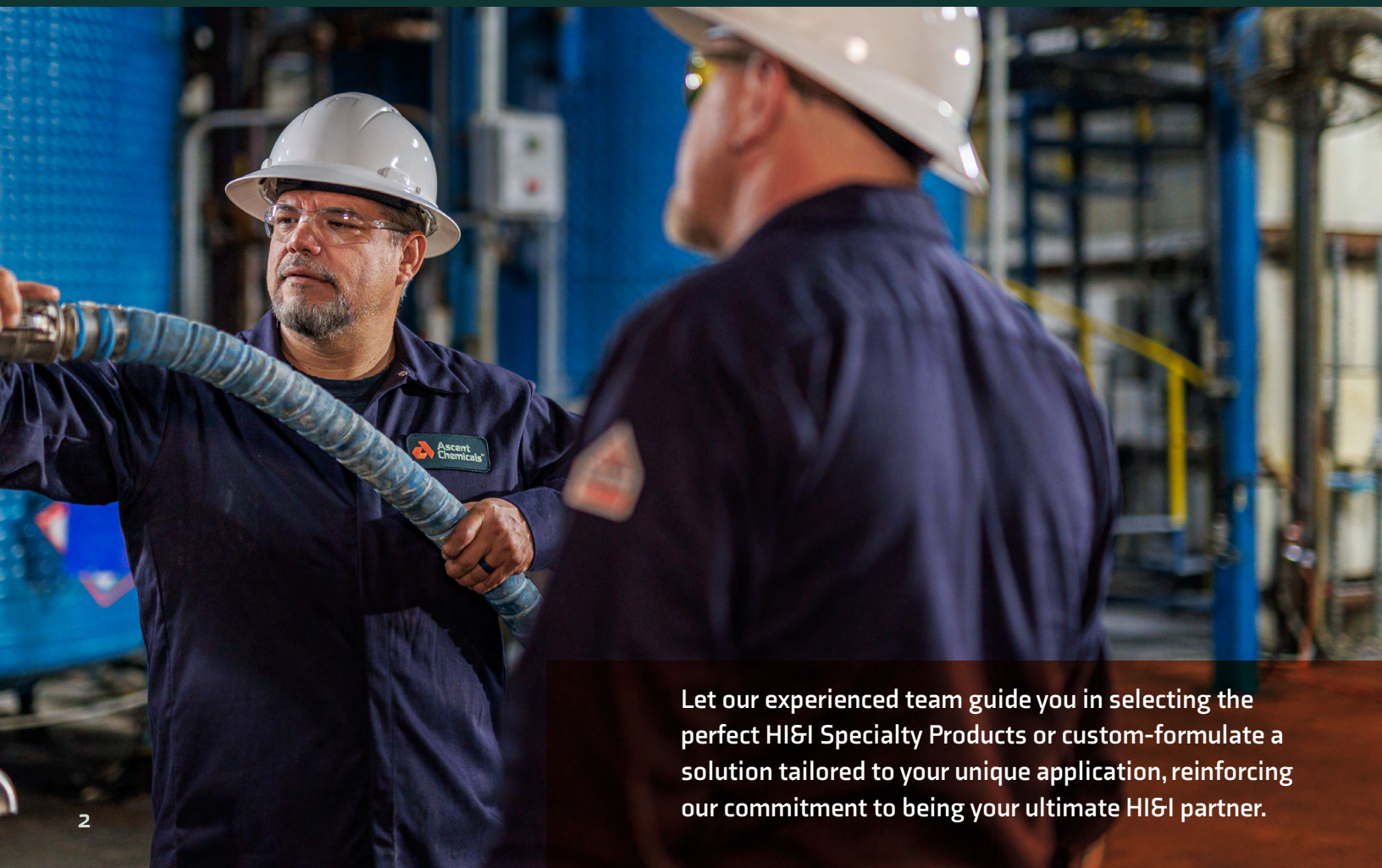
Ascent Chemicals combines decades of manufacturing experience with proven technical capability to serve as a trusted partner in industrial and institutional cleaning.

Our HI&I (Household, Industrial & Institutional) portfolio delivers high-performing, sustainable solutions across anionic, cationic, nonionic, and amphoteric surfactant chemistries, along with functional additives and cleaning aids.

Drawing on renewable feedstocks such as natural fatty acids, vegetable oils, and tall-oil derivatives, we provide plant-based and tallow-based solutions that balance performance, sustainability, and value.

As a domestic manufacturer, Ascent ensures quality, consistency, and traceability across every product we deliver.

Partner with Ascent for chemistry that performs.



Let our experienced team guide you in selecting the perfect HI&I Specialty Products or custom-formulate a solution tailored to your unique application, reinforcing our commitment to being your ultimate HI&I partner.

Surfactants

Anionic Surfactants

Ascent's Anionic Surfactants deliver high-performance cleaning, wetting, emulsification, and foaming across HI&I applications. These include sulfosuccinates for superior wetting and emulsification, sulfosuccinamates for mild cleaning, sulfated and sulfonated products for versatile foam and soil suspension, and phosphated surfactants for coupling and corrosion inhibition.

Dioctyl Sulfosuccinates

Ascent's Dioctyl Sulfosuccinates are high-performance anionic surfactants, delivering exceptional wetting, emulsifying, and dispersing properties. Ideal for HI&I applications, they enhance cleaning efficiency in hard-surface cleaners, degreasers, and fabric care formulations. Their low-foaming nature and compatibility with various solvents make them a go-to choice for challenging cleaning scenarios, including high-performance industrial solutions.

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
SierraSurf DOSS 70 N	Diethylhexyl Sodium Sulfosuccinate and Polyethylene Glycol	577-11-7	Clear Pale Yellow Liquid	70/75
SierraSurf DOSS 70 E	Diethylhexyl Sodium Sulfosuccinate and Ethyl Alcohol	577-11-7	Clear Colorless Liquid	70/75
SierraSurf DOSS 70 PG	Diethylhexyl Sodium Sulfosuccinate and Propylene Glycol	577-11-7	Clear Pale Yellow Liquid	70/75
SierraSurf DOSS 70 IPA	Diethylhexyl Sodium Sulfosuccinate and Isopropyl Alcohol	577-11-7	Clear Pale Yellow Liquid	70/75
SierraSurf DOSS 70 DEG	Diethylhexyl Sodium Sulfosuccinate and Diethylene Glycol	577-11-7	Clear Colorless Liquid	70/75

Disodium Sulfosuccinamate

Ascent's Disodium Sulfosuccinamate, offers distinct advantages over traditional sulfosuccinates. Known for its superior mildness, this amphoteric-like anionic surfactant provides excellent wetting and dispersing capabilities with low skin irritation, making it ideal for mild cleaning formulations in HI&I applications.

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
SierraSurf DOSI A 18	Disodium N-octadecylsulfosuccinamate	14481-60-8	Hazy/Opaque White Liquid	33

Sulfated & Sulfonated

Ascent's Sulfated and Sulfonated Surfactants provide reliable and versatile cleaning power, making them indispensable for a wide range of HI&I applications. These anionic surfactants offer options for both high-foaming formulations—ideal for foaming cleansers and scrubs—and low-foaming formulations designed for systems requiring minimal foam, such as industrial or high-efficiency cleaning applications. They excel in emulsification, wetting, and soil suspension, ensuring superior performance in even the most challenging formulations.

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
SierraSulf ALS	Ammonium Lauryl Sulfate	2235-54-3	Clear to Slightly Yellow Liquid	30/70
SierraSulf ALES	Ammonium Laureth Sulfate	32612-48-9	Clear to Slightly Yellow Liquid	30
SierraSulf 2-EH NA	Sulfated 2-Ethylhexanol Sodium Salt	126-92-1	Clear Yellow Liquid	60
SierraSulf 2-EH NH	Sulfated 2-Ethylhexanol Ammonium Salt	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

Anionic Surfactants *Continued*

Sulfated Specialties

Ascent's Sulfated Specialties combine the power of natural and renewable raw materials with the enhanced performance of sulfation chemistry. Derived from plant-based oils and fatty acids, these anionic surfactants deliver superior emulsification, dispersing, and wetting properties. Designed for a wide range of HI&I applications, these products excel in hard-surface cleaners, degreasers, and textile formulations.

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
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

Phosphated Esters

Ascent's Phosphated Esters provide unmatched versatility and performance for HI&I applications. These anionic surfactants combine superior wetting, emulsification, and coupling properties with the added benefits of corrosion inhibition and low-foam performance, making them ideal for demanding cleaning formulations.

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
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

Ascent's Fatty Acid Soaps are versatile surfactants derived from renewable sources, offering mild yet effective cleaning and emulsification for HI&I applications. These soaps provide excellent performance in both hard and soft water environments, making them ideal for a variety of industrial and institutional cleaning formulations.

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
SierraSoap KC	Potassium Cocoate	61789-30-8	Clear Amber Liquid	40
SierraSoap KL	Potassium Laurate	10124-65-9	Clear Amber Liquid	40
SierraSoap KO	Potassium Oleate	143-18-0	Clear Amber Liquid	40
SierraSoap AS	Ammonium Stearate	1002-89-7	Off-white Paste / Solid	40



Cationic Surfactants

Ascent's Cationic Surfactants offer multifunctional benefits, combining superior emulsification and conditioning properties for HI&I applications. These products excel in formulations requiring surface protection and corrosion inhibition.

Quaternary Ammonium Compounds

Ascent's Quaternary Ammonium Compounds (Quats) are powerful cationic surfactants that deliver emulsifying and conditioning properties. Designed for HI&I applications, these compounds excel in detergents, fabric softeners, and hard-surface cleaners.

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
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

Ascent's Imidazoline Corrosion Inhibitors are high-performance solutions designed to protect metal surfaces in demanding HI&I environments. Derived from natural fatty acids, these products offer sustainable and effective protection against corrosion while maintaining compatibility with a wide variety of surfactant systems.

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
SierraCor OLEIC:DETA	Oleic Acid-Diethylenetriamine Imidazoline	3528-63-0	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

Ascent's Amphoteric Surfactants deliver exceptional mildness, foam stability, and compatibility across a wide pH range. These surfactants are highly versatile, performing effectively in both acidic and alkaline systems.

Betaines

Ascent's SierraSurf CAPB line includes a range of concentration levels to meet specific formulation needs from light-duty cleaners and personal care products to heavy-duty industrial systems. Each grade delivers consistent quality, high purity, and stable performance in diverse surfactant blends.

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
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

Nonionic Surfactants

Ascent's Nonionic Surfactants deliver exceptional emulsification, solubilization, and low-foaming performance, making them ideal for a wide range of HI&I applications. Our portfolio includes Alkanolamides and PEG Esters, offering tailored solutions for cleaning, degreasing, and emulsifying needs. These surfactants excel in industrial cleaners, fabric care, and personal care formulations, providing reliable, high-performance options. Designed for flexibility and efficiency, Ascent's nonionic surfactants are a dependable choice for demanding formulations.

Alkanolamides

Cocamide DEA and Lauramide MEA are versatile alkanolamides that enhance foam stability, thickness, and cleansing efficiency in HI&I formulations. Ideal for personal care and cleaning products, they deliver mild performance with excellent emulsification properties.

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
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

Ascent's PEG Esters provide exceptional emulsification, solubilization, and lubricity across HI&I applications. Derived from fatty acids and polyethylene glycol, these nonionic surfactants deliver tailored performance for diverse formulations.

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
SierraSurf DL	PEG Dilaurate	9005-02-1	Clear Colorless to Pale Yellow Liquid	100
SierraSurf DO	PEG Dioleate	9005-07-6	Clear Yellow Liquid	100
SierraSurf DT	PEG Ditallate	61791-01-3	Clear Light Amber Liquid	100
SierraSurf ML	PEG Monolaurate	9004-81-3	Yellow Liquid	100
SierraSurf MO	PEG Monooleate	9004-96-0	Clear Light Amber Liquid	100
SierraSurf MT	PEG Monotallate	61791-00-2	Clear Dark Amber Liquid	100
SierraSurf DS	PEG Distearate	9005-08-7	Opaque White Solid	100
SierraSurf MI	PEG Monostearate	56002-14-3	Yellow Liquid	100
SierraSurf PEL	PEG Pelargonate	31621-91-7	Clear Light Amber Liquid	100



Specialty Surfactant Blends

Ascent's Specialty Surfactant Blends are uniquely formulated solutions designed to address specific challenges in HI&I applications. These high-performance products combine diverse surfactant chemistries to deliver enhanced functionality, including emulsification, wetting, dispersing, corrosion inhibition, and foam control. Ideal for industrial and institutional formulations, these blends simplify formulation development by providing optimized, ready-to-use solutions.

SierraPhos 5576 is a neutralized phosphate ester from 2-ethylhexanol ethoxylate, delivers outstanding performance in industrial applications. Renowned for caustic stability, it provides superior wetting, penetration, and coupling, making it ideal for demanding formulations.

SierraPhos V-8 is an anionic surfactant for HI&I applications, offering excellent wetting, dispersing, scouring, and free-rinsing properties. Its moderate to low foam profile and acid and alkali stability make it ideal for industrial cleaners. Economical and adaptable, it enhances cleaning efficiency in hard water and high temperature systems while remaining compatible with a variety of additives. 🌱

SierraPhos SCA is a low-odor phosphate ester derived from polyphosphoric acid and ethoxylated alcohols. This clear, low-viscosity material serves as an effective high-cloud-point cleaner and dispersant. With moderate low-foaming properties, it excels in applications requiring cleaning, wetting, dispersion, and detergency where foam control is critical.

SierraPhos E is a high-performance blend of Phosphate TDA-8, PEG 400, and water, designed for use in detergent formulations. This versatile surfactant combination delivers excellent wetting, emulsifying, and dispersing properties, making it ideal for industrial and institutional cleaning products. SierraPhos E simplifies formulation development by providing a pre-optimized solution for enhanced cleaning efficiency and performance.



Surface Conditioning Esters

Ascent's Surface Conditioning Esters deliver the lubricity, gloss, and hydrophobic balance that elevate the performance of cleaning and care formulations. Derived from renewable fatty-acid feedstocks, these nonionic esters function as co-emulsifiers, emollients, and slip agents, enhancing formulation texture, spread, and surface finish in hard-surface cleaners, textile treatments, polishes, and degreasers.

Product	Chemical Name / INCI	CAS #	Physical Form	% Activity
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	31566-31-1	White to Off-white Wax Flakes	100
SierraEster GM	Glyceryl Monooleate	37220-82-9	Clear Straw 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
SierraEster OP	2-ethylhexyl Palmitate	29806-73-3	Clear Liquid	100



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Advanced Cleaning Agents

Ascent's Advanced Cleaning Agents provide powerful, reliable performance across diverse H&I applications. This portfolio includes alkaline cleaners, specialty acid cleaners, and direct-use industrial solutions, all designed to tackle tough soils, maintain surfaces, and enhance efficiency in demanding environments.

ALKALINE CLEANING AGENTS

SierraClean 7744 is a blend of alkaline builders and neutralized complex sulfates, delivering powerful cleaning performance for industrial and institutional applications. It excels in soil suspension, degreasing, and emulsification, making it ideal for heavy-duty cleaning. Its balanced formulation ensures compatibility with various systems, providing reliable results in demanding environments.

SierraClean JC is a specialized blend of highly caustic builders, soil-suspending agents, and nonionic surfactants designed to deliver powerful cleaning and emulsification for industrial and institutional applications. This concentrated formulation is ideal for removing tough residues, such as evaporated compounds, spinning oils, and fiber finishes, directly from surfaces without dilution.

SierraClean SC is a powerful blend of D-limonene, potassium hydroxide, and sodium metasilicate, engineered to remove grease, oil, lubricants, and stubborn wax finishes across a wide pH range. For optimal performance, pre-dilution is recommended. Its broad functionality and reliable performance make SierraClean SC a versatile solution for industrial and institutional cleaning challenges.

SierraClean 213 is a high-performance blend of sodium hydroxide and glycol ether DPM, designed to tackle tough cleaning challenges in industrial and institutional settings. This formulation delivers excellent degreasing, soil suspension, and penetration properties, making it ideal for removing stubborn grease, oils, and residues.

SPECIALTY ACID METAL CLEANERS

SierraClean HSE is a fortified reacted acid with advanced corrosion inhibitors for safer, more effective cleaning. Less corrosive and more concentrated than traditional urea hydrochloric acid products, it protects assets and prioritizes safety. Ideal for industries needing powerful cleaning with reduced risk, SierraClean HSE balances performance and safety for demanding applications.

SierraClean AB is a powerful blend of organic acids and surfactants, specifically formulated to clean and brighten aluminum surfaces. Free of hydrofluoric acid, this solution offers an effective yet safer alternative for restoring and maintaining aluminum without compromising surface integrity. SierraClean AB penetrates and removes dirt, oxidation, and buildup, leaving aluminum surfaces with a renewed, polished appearance.

INDUSTRIAL GENERAL PURPOSE CLEANERS

SierraClean MOD is a powerful, non-nonylphenol industrial cleaner and water treatment solution. Formulated with a blend of ethoxylated alcohols and hexylene glycol, it delivers superior emulsification, degreasing, and wetting performance for demanding industrial applications.

SierraClean GC is a highly concentrated surface cleaner formulated with polyethoxylated nonylphenol and 2-butoxyethanol, delivering exceptional cleaning power for industrial and commercial applications. This solution effectively penetrates and removes surface dirt, grease, mud, and mold or mildew while remaining safe for use on delicate surfaces.

EtnaFoam Defoamers

PRECISION FOAM CONTROL

Ascent offers an extensive line of EtnaFoam Defoamers and Defoamer Bases, providing tailored foam control solutions for diverse HI&I 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.

Non-silicone

- Bio-based
- Oil-based
- PPG-based
- Fatty Alcohol-based

Silicone

- Silicone Emulsions
- FDA Indirect Compliant Silicone Emulsions
- Free-rinsing Silicone Emulsions
- Oil-based with Silicone Boost

Defoamer Bases

- Silicone-based
- Non-silicone-based
- PPG-based
- Wax-based

EtnaFoam Application Guide

Legend: Not Recommended Recommended

Series	Pulp & Paper	Textile	HI&I	Water Treatment	Oil & Gas	Agriculture	Coatings	Metallurgy	Plastics
Silicone Emulsions									
EtnaFoam SE 3									
EtnaFoam SE 5									
EtnaFoam SE 10									
EtnaFoam SE 20									
EtnaFoam SE 30									
FDA Indirect Compliant Silicone									
EtnaFoam SE-FG 5									
EtnaFoam SE-FG 10									
EtnaFoam SE-FG 20									
EtnaFoam non-silicone									

Non-Silicone

Bio-based
EtnaFoam bio-based defoamers are designed with renewable ingredients to provide effective and eco-friendly foam control. Formulated with natural oils and performance-enhancing additives, these defoamers deliver reliable foam knockdown and persistence. Ideal for systems where sustainability and environmental compatibility are priorities, these products offer a responsible alternative without compromising performance.

Oil-based
EtnaFoam oil-based defoamers are designed for unimulable or restricted. Formulated with performance-enhancing additives, these knockdown and sustained control in oil-based systems with high solids, extreme pH, and high shear. They ensure reliable foam management in treatment, textile, paper manufacturing.

PPG-based
EtnaFoam PPG-based defoamers are designed for unimulable or restricted. Formulated with performance-enhancing additives, these knockdown and sustained control in PPG-based systems with high solids, extreme pH, and high shear. They ensure reliable foam management in treatment, textile, paper manufacturing.

Fatty Alcohol-based
EtnaFoam fatty alcohol-based defoamers are designed for unimulable or restricted. Formulated with performance-enhancing additives, these knockdown and sustained control in fatty alcohol-based systems with high solids, extreme pH, and high shear. They ensure reliable foam management in treatment, textile, paper manufacturing.

Wax-based
EtnaFoam wax-based defoamers are designed for unimulable or restricted. Formulated with performance-enhancing additives, these knockdown and sustained control in wax-based systems with high solids, extreme pH, and high shear. They ensure reliable foam management in treatment, textile, paper manufacturing.

Ascent Chemicals
EtnaFoam

For a detailed guide to our defoamer portfolio, including product specifications and application insights, please refer to our **EtnaFoam** portfolio brochure by scanning the QR code below or contact us at inquiries@ascentchem.com for tailored recommendations.





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