



Innovating
Clean
Simplifying
Care

 **Ascent Chemicals™**


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

For nearly a century, Ascent Chemicals has been a trusted partner in industrial and institutional cleaning, delivering reliable solutions since 1919.

Our HI&I (Household, Industrial, and Institutional) portfolio addresses diverse cleaning needs with a focus on plant-based, tallow-based, and sustainable products. By utilizing renewable resources like natural fatty acids, vegetable oils, and tall oil byproducts, we offer eco-conscious solutions without compromising performance.

Organized into key categories, our portfolio includes high-performing surfactants—spanning bio-based anionic, cationic, nonionic, and amphoteric chemistries—alongside versatile performance additives and cleaning aids. From plant-based soaps to naturally derived corrosion inhibitors and specialty blends, we ensure your formulations align with sustainability goals.

As a vertically integrated manufacturer, we deliver quality, consistency, and traceability to help you meet your commercial objectives. Partner with Ascent for sustainable, high-performing products tailored to your needs.



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

Ascent Chemicals offers a versatile and high-performance range of surfactants tailored to meet the demands of modern cleaning and care formulations. Our portfolio spans multiple surfactant chemistries, including anionic, cationic, amphoteric, nonionic, and specialty surfactants, ensuring solutions for even the most challenging applications.

Anionic Surfactants

Ascent Chemical's Anionic Surfactants portfolio delivers high-performance solutions for HI&I applications, including sulfosuccinates for superior wetting and emulsification, sulfosuccinamates for mild, low-irritation cleaning, and sulfated and sulfonated products for versatile foaming, soil suspension, and dispersing. Phosphated surfactants provide added benefits of coupling, emulsification, and corrosion inhibition. Tailored for diverse HI&I needs, Ascent's anionic surfactants combine powerful performance with sustainability-focused options.

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.

SierraSurf DOSS 70 N

SierraSurf DOSS 70 E

SierraSurf DOSS 70 PG

SierraSurf DOSS 70 IPA

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.

SierraSurf DOSI A 18

 Plant-based  Tallow-based

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.

SierraSulf SCO 50	
SierraSulf SCO 70	
SierraSulf SCO 75	
SierraSulf T0	
SierraSulf C0	
SierraSulf OA 55	
SierraSulf OA 80	
SierraSulf SBO	
SierraSulf SMO	
SierraSulf SCO-OA	
SierraSulf T	
SierraSulf FT	

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.

SierraSulf ALS	
SierraSulf ALES	
SierraSulf SLS	
SierraSulf 2-EH NA	
SierraSulf 2-EH NH ₄	
SierraSulf Nonoxynol 4 NH	
SierraSulf Neodol 25-3	
SierraSulf DDBSA 40	

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.

SierraPhos DA-4
SierraPhos DA-6
SierraPhos TDA-6
SierraPhos TDA-8
SierraPhos NP-4
SierraPhos NP-6
SierraPhos NP-9
SierraPhos NP-10
SierraPhos 2-EH
SierraPhos 2-EH 2 EO

(Many phosphates are available in acid or neutralized forms)



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 disinfectants, fabric softeners, and hard-surface cleaners.

- SierraQuat TAM 2 DES
- SierraQuat TAM 15 DES
- SierraQuat TAM 20 DES
- SierraQuat go
- SierraQuat go LVOC

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.

- SierraCor OLEIC:DETA 
- SierraCor TOFA:DETA 
- SierraCor TOFA:DETA + 
- SierraCor TOFA:AEAA 

Amphoteric Surfactants

Ascent's Amphoteric Surfactants combine mildness, versatility, and compatibility, making them ideal for a wide range of HI&I applications. These surfactants perform across a broad pH range and provide excellent foam stability, cleansing, and conditioning properties. These eco-conscious surfactants excel in applications such as hard-surface cleaners, hand soaps, and industrial degreasers, delivering powerful yet gentle performance.

Betaines, Sultaines, & Amine Oxides

Ascent's amphoteric surfactants delivers a balance of foam boosting, stabilization, and mild cleansing, making them indispensable in HI&I formulations. Betaines enhance foam performance and provide conditioning benefits, while Sultaines offer improved foam stability and hard water tolerance. Amine Oxides act as effective emulsifiers and mild co-surfactants, boosting cleaning power in degreasers and hard-surface cleaners. Together, these surfactants provide versatile, pH-compatible solutions for powerful yet gentle performance.



SierraSurf CAPB 25	
SierraSurf CAPB 30	
SierraSurf CAPB 35	
SierraSurf CAP HS 50	
SierraSurf LO	

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.

SierraMide DEA	
SierraMide MEA	

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.

SierraSurf DL	
SierraSurf DO	
SierraSurf DT	
SierraSurf ML	
SierraSurf MO	
SierraSurf MT	
SierraSurf DS	
SierraSurf MI	
SierraSurf PEL	



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.

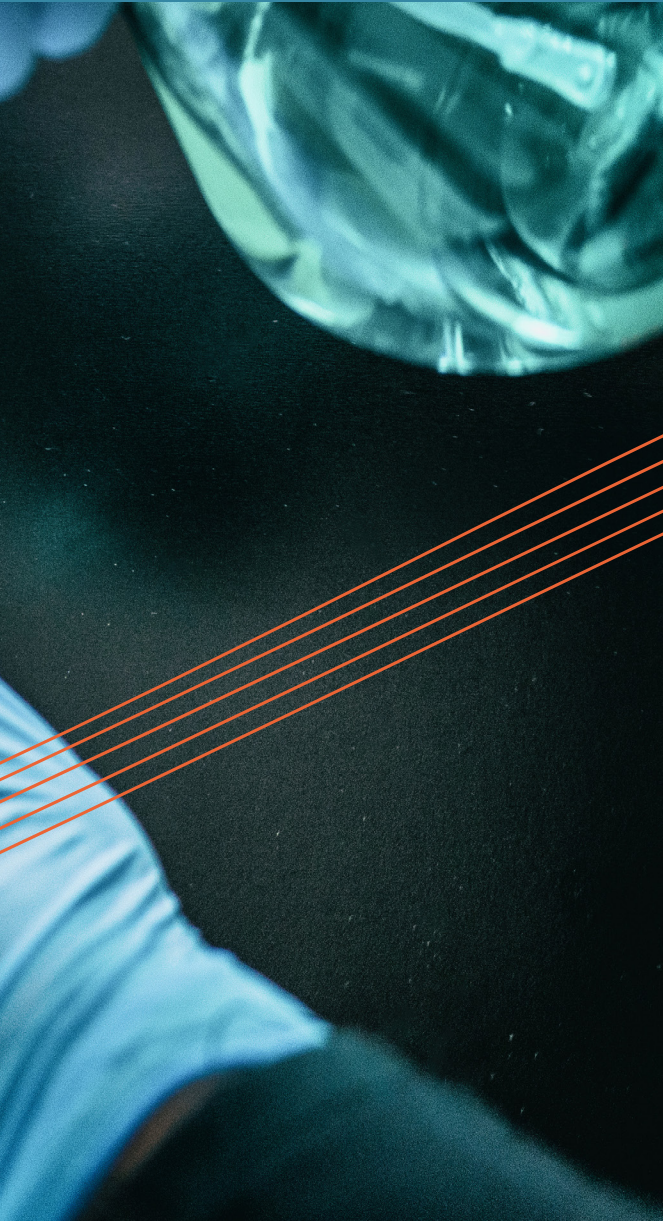
SierraPhos E is a high-performance blend of Phosphate TDA-8, PEG 400, and water, designed for use in detergent formulations. This versatile surfactant combination delivers excellent wetting, emulsifying, and dispersing properties, making it ideal for industrial and institutional cleaning products. SierraPhos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

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Performance Additives and Cleaning Aids

Ascent's Performance Additives and Cleaning Aids deliver the essential building blocks and performance enhancers required for effective HI&I formulations. Designed to optimize cleaning, conditioning, and surface treatment, these products address a wide variety of cleaning challenges, offering targeted solutions for industrial, institutional, and specialty applications.



Additives

Ascent's Additives optimize the stability and performance of HI&I formulations. Sodium Acetate buffers pH, enhances cleaning in hard water, and provides mild corrosion inhibition. Potassium Hydroxide delivers powerful alkalinity and supports pH adjustment and saponification. These versatile additives ensure reliable and effective formulations.

SierraAid SA

SierraAid PH

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.

SierraSoap KC



SierraSoap KL



SierraSoap KO



SierraSoap KS



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.



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