



hair care

ingredients portfolio



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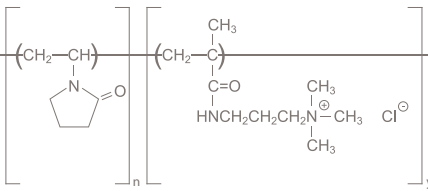
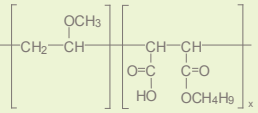
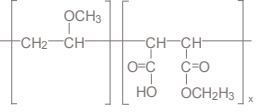
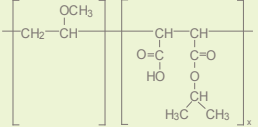
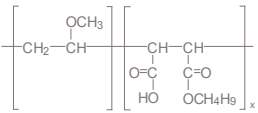
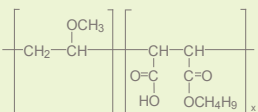
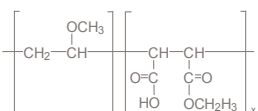
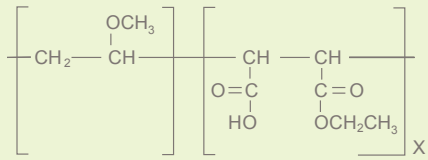
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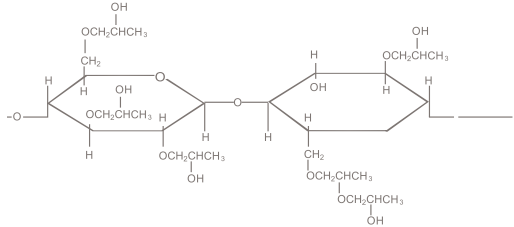
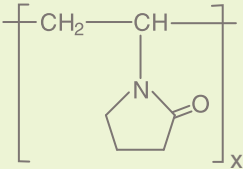
fixatives and styling polymers

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|--|--|----------------------------------|-----------|--|---|-----------------|
| Advantage™ LC-A polymer | Vinyl Caprolactam/VP/ Dimethylaminoethyl Methacrylate Copolymer | 37% solids in ethanol | | <ul style="list-style-type: none"> strong, durable hold stiff feel with good flexibility superior high humidity curl retention at low solids level excellent shine high propellant tolerance no neutralization required | <ul style="list-style-type: none"> aerosol hairsprays non-aerosol hairsprays | 0.5–4.0% solids |
| Advantage LC-E polymer (Available in EU only) | Vinyl Caprolactam/VP/ Dimethylaminoethyl Methacrylate Copolymer (and) Lauryl Pyrrolidone | | | | | |
| Advantage S polymer | Vinyl Caprolactam/VP/ Dimethylaminoethyl Methacrylate Copolymer | Powder | | <ul style="list-style-type: none"> strong, durable hold stiff feel with good flexibility excellent high humidity curl retention at low solids level excellent shine high propellant tolerance and formulates into both high and low VOC products no neutralization required enables alcohol-free claims | <ul style="list-style-type: none"> gels mousses hairsprays pomades, waxes, pastes | 0.5–4.0% solids |
| Advantage S Solution polymer | | 30% aqueous solution | | | | |
| Advantage Plus polymer | VA/Butyl Maleate/ Isobornyl Acrylate Copolymer | Clear pale yellow solution | | <ul style="list-style-type: none"> medium hold excellent high humidity curl retention good spray aesthetics with fast dry time | <ul style="list-style-type: none"> aerosol hairsprays non-aerosol hairsprays | 0.5–5.0% solids |

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|--|--|--|-----------|--|--|---|
| Advantage™ 4910 polymer | Octylacrylamide/ Acrylates/ Butylaminoethyl Methacrylate Copolymer | Powder | | <ul style="list-style-type: none"> excellent high humidity curl retention exceptional stiffness long-lasting hold high propellant tolerance works in all VOC systems | <ul style="list-style-type: none"> aerosol hairsprays non-aerosol hairsprays | 0.5–5.0% solids |
| Aquaflex™ FX-64 polymer | Isobutylene/ Ethylmaleimide/ Hydroxyethyl Maleimide Copolymer | 40% solids in hydro- alcoholic solution | | <ul style="list-style-type: none"> provides superior "stiff" hold good curl memory excellent high humidity curl retention shine manageability no neutralization required | <ul style="list-style-type: none"> aerosol hairsprays non-aerosol hairsprays mousses styling creams/lotions pomades, waxes, pastes | Aerosol sprays: 0.25–5% solids Non-aerosol sprays: 0.25–7% solids |
| Aquaflex SF-40 polymer | VP/Vinyl Caprolactam/ DMAPA Acrylates Copolymer | 40% solids in ethanol | | <ul style="list-style-type: none"> can be formulated at all VOC levels good sprayability excellent high humidity curl retention low-tack high propellant compatibility | <ul style="list-style-type: none"> aerosol hairsprays non-aerosol hairsprays | Aerosol sprays: 1.0–5.0% solids Non-aerosol sprays: 0.5–5.0% solids |
| Aquaflex XL-30 polymer | Polyimide-1 | 30% aqueous solution | | <ul style="list-style-type: none"> volume and root boost synergistic high humidity curl retention when used with typical thickeners flexibility gives style memory durable hold dry films on hair are smooth | <ul style="list-style-type: none"> gels spray gels spray mousses pomades, waxes, pastes shampoos conditioners hair treatments | 0.25–4.0% solids |
| AquaStyle™ 300 polymer ¹ | Polyquaternium-69 | 30% solids in hydroalcoholic solution | | <ul style="list-style-type: none"> long-lasting hold stiff, strong hold with mechanical durability excellent high humidity curl retention enhances shine reduction of frizz aquaStyle 300 AF support alcohol-free claims, meets low-VOC requirements synergistic thickening with hydrophobically modified gellants forms a sprayable polyelectrolyte matrix when used in conjunction with one of the following rheology modifiers (Ashland™ 980/940 Carbomer, RapiThix A-60) | <ul style="list-style-type: none"> gels mousses styling creams/lotions pomades, waxes, pastes styling sprays (non-aerosol) | 0.25–5.0% solids |
| AquaStyle 300 AF polymer ¹ | | 30% aqueous solution | | | | |
| AquaStyle SH- 100 polymer | Acrylates Copolymer (and) Water | Milky, white to off-white liquid | | <ul style="list-style-type: none"> durable, all day hold good initial stiffness excellent high humidity curl retention smooth comb-through no tack upon drying no flaking contributes to viscosity in formulations | <ul style="list-style-type: none"> crystal clear gels cream gels spray gels creams and lotions waxes and pomades mousses patent pending | 0.5–2.0% solids |

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|---|--|--|-----------|--|---|------------------|
| Copolymer 845 | VP/Dimethylaminoethyl Methacrylate Copolymer | 20% aqueous solution | | <ul style="list-style-type: none"> aids wet and dry combing imparts smoothness, gloss, body and silky feel to hair gives smooth, conditioned feel to skin water and alcohol compatible copolymer 845 is compatible with carbomer and can be formulated into clear gels forms a sprayable polyelectrolyte matrix when used in conjunction with one of the following rheology modifiers (Ashland 980/940 Carbomer, RapiThix A-60) | <ul style="list-style-type: none"> gels mousses blow-dry conditioners styling creams/lotions pomades, waxes, pastes conditioning rinses styling sprays low-VOC sprays | 0.2–4.0% solids |
| Copolymer 845 O (Optiphen™ Preserved) | | 20% aqueous solution | | | | |
| Copolymer 937 | | 20% aqueous solution | | | | |
| Copolymer 958 | | 50% solids in ethanol | | | | |
| Gaffix™ VC-713 polymer (sold as Copolymer VC-713 in EU) | Vinyl Caprolactam/VP/Dimethylaminoethyl Methacrylate Copolymer | 37% solids in ethanol | | <ul style="list-style-type: none"> superior "natural feel" hold at low solids level excellent propellant compatibility no neutralization required | <ul style="list-style-type: none"> hairsprays gels mousses styling creams/lotions pomades, waxes, pastes | 0.5–4.0% solids |
| Gafquat™ 440 polymer | Polyquaternium-11 | Flowable 30% alcoholic solution; 100,000 avg. MW | | <ul style="list-style-type: none"> good wet and dry combing good curl retention clear, non-tacky films builds body enhances hair luster manageability easy shampoo removability improves foam aesthetics smooth skin application with desirable after-feel | <ul style="list-style-type: none"> mousses gels styling sprays pomades, waxes, pastes leave-in conditioning lotions | 0.25–8.0% solids |
| Gafquat 755N polymer | | Highly viscous 20% aqueous solution; 1,000,000 avg. MW | | <ul style="list-style-type: none"> thermal/mechanical protection good wet and dry combing good curl retention in leave-on hair styling products clear, non-tacky films builds body enhances hair luster manageability improves foam aesthetics easy shampoo removability smooth skin application with desirable after-feel forms a sprayable polyelectrolyte matrix when used in conjunction with one of the following rheology modifiers (Ashland 980/940 carbomer, RapiThix A-60) | <ul style="list-style-type: none"> mousses gels pomades, waxes, pastes shampoos conditioning rinses leave-in conditioning lotions styling sprays | 0.25–4.0% solids |
| Gafquat 755N-P polymer (phenoxyethanol-paraben preserved) | | | | | | |
| Gafquat 755N-O polymer (Optiphen™ preserved) | | | | | | |

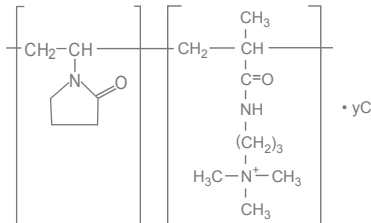
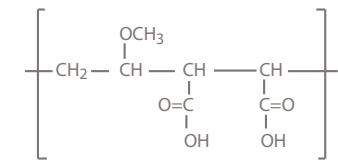
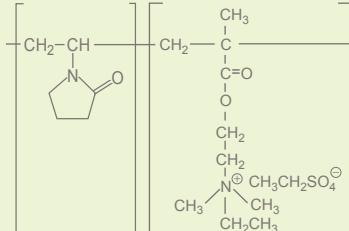
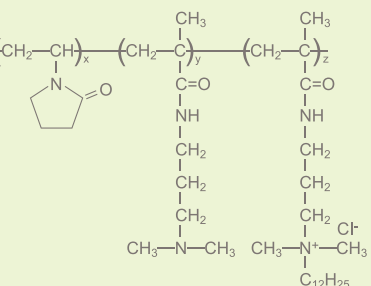
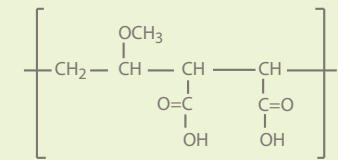
| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|---|-------------------------------------|---------------------------|--|---|---|--|
| Gafquat™ HS-100 polymer | Polyquaternium-28 | 20% aqueous solution |  | <ul style="list-style-type: none"> good wet and dry combing good curl retention in leave-on hair styling products clear, non-tacky films enhances hair luster excellent stability at pH extremes forms a sprayable polyelectrolyte matrix when used in conjunction with one of the following rheology modifiers (Ashland 980/940 Carbomer, RapiThix A-60) | <ul style="list-style-type: none"> shampoos conditioners styling creams/lotions gels mousses pomades, waxes, pastes styling sprays permanent wave solutions | Shampoos/ conditioners: up to 1.0% solids Styling: 2.0–4.0% solids |
| Gafquat HS-100-0 polymer (Optiphen preserved) | | | | | | |
| Gantrez™ A-425 polymer | Butyl Ester of PVM/MA Copolymer | 50% solids in ethanol |  | <ul style="list-style-type: none"> high hold excellent shine durability tack-free good style retention humidity resistant good propellant compatibility pigment dispersant emulsion stabilizer | <ul style="list-style-type: none"> aerosol hairsprays non-aerosol hairsprays spritzer gels mousses styling creams/lotions pomades, waxes, pastes | 0.5–7.0% solids |
| Gantrez ES-225 polymer | Ethyl Ester of PVM/MA Copolymer | 50% solids in ethanol |  | | | |
| Gantrez ES-335 polymer | Isopropyl Ester of PVM/MA Copolymer | 50% solids in isopropanol |  | | | |
| Gantrez ES-425 polymer | Butyl Ester of PVM/MA Copolymer | 50% solids in ethanol |  | | | |
| Gantrez ES-435 polymer | Butyl Ester of PVM/MA Copolymer | 50% in isopropanol |  | | | |
| Gantrez SP-215 polymer | Ethyl Ester of PVM/MA Copolymer | 50% solids in ethanol |  | | | |
| Omnirez™ 2000 polymer | Ethyl Ester of PVM/MA Copolymer | 50% solids ethanol |  | | | |

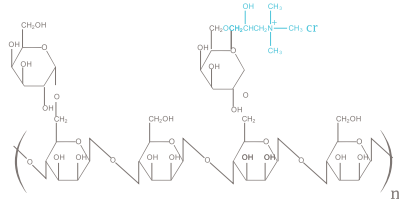
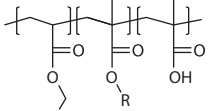
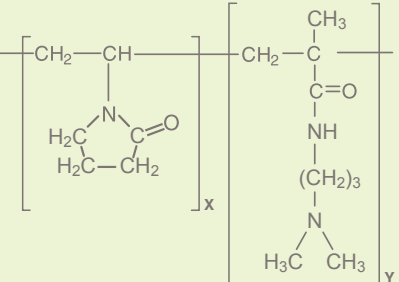
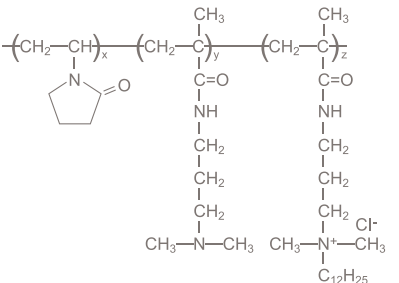
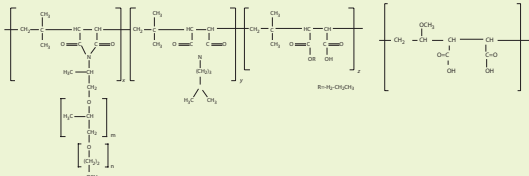
| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|---------------------------------------|------------------------|--|--|---|---|------------------|
| Primaflo™ HP22 polymer solution | Hydroxypropylcellulose | Solution |  | <ul style="list-style-type: none"> soft, flexible films high strength films non-tacky films | <ul style="list-style-type: none"> low- and no-VOC hair styling gels, mousses and sprays | 2.0–5.0% solids |
| PVP K-15 | PVP | 100% powder; 8000 avg. MW in Daltons |  | <ul style="list-style-type: none"> strong, stiff hold stabilizes emulsions, dispersions and suspensions foam stabilizer excellent compatibility with acrylate thickeners shine | <ul style="list-style-type: none"> gels mousses styling creams/lotions hair colorants pomades, waxes, pastes in addition, PVP K-15 and PVP K-30 can be used in hairsprays | 0.25–6.0% solids |
| PVP K-15 solution | | 30% solution; 8000 avg. MW in Daltons | | | | 0.25–6.0% solids |
| PVP K-30 | | 100% powder; 60,000 avg. MW in Daltons | | | | 0.25–6.0% solids |
| PVP K-30 solution | | 30% solution; 60,000 avg. MW in Daltons | | | | 0.25–6.0% solids |
| PVP K-60 solution | | 45% solution; 400,000 avg. MW in Daltons | | | | 0.25–6.0% solids |
| PVP K-90 | | 100% powder; 1,300,000 avg. MW in Daltons | | | | 0.25–3.0% solids |
| PVP K-90 solution | | 20% solution; 1,300,000 avg. MW in Daltons | | | | 0.25–3.0% solids |
| PVP K-120 powder | | 100% powder; 3,000,000 avg. MW in Daltons | | | | 0.25–3.0% solids |

‡ Ratio (VP/VA)

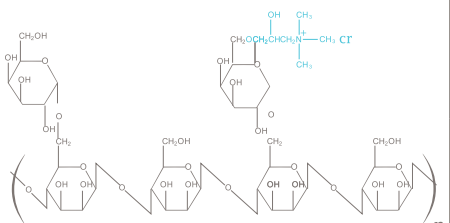
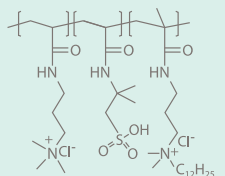
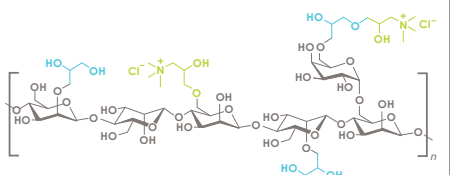
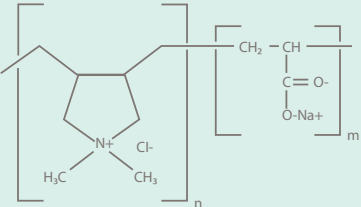
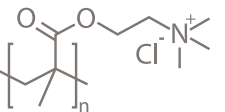
| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|--|-----------------|---|-----------|--|---|-----------------|
| PVP/VA S-630 | VP/VA Copolymer | White powder (60/40 [‡]) | | <ul style="list-style-type: none"> strong, stiff hold enhanced high humidity curl retention good propellant compatibility | <ul style="list-style-type: none"> gels mousses styling creams/lotions hair colorants pomades, waxes, pastes | 0.5–6.0% solids |
| PVP/VA E-335 PVP/VA I-335 | | 50% solution in ethanol (E) or isopropanol (I), (30/70 [‡]) | | | <ul style="list-style-type: none"> aerosol hairsprays non-aerosol hairsprays | |
| PVP/VA E-535 PVP/VA I-535 | | 50% solution in ethanol (E) or isopropanol (I), (50/50 [‡]) | | | <ul style="list-style-type: none"> hydroalcoholic styling lotions and hair thickeners | |
| PVP/VA E-635 PVP/VA W-635 | | 50% solution in aqua (W) or ethanol (E) (60/40 [‡]) | | | <ul style="list-style-type: none"> alcohol-free formulas (W) gels mousses styling creams/lotions hair colorants pomades, waxes, pastes | |
| PVP/VA E-735 PVP/VA I-735 PVP/VA W-735 | | 50% solution in water (W), ethanol (E) or isopropanol (I) (70/30 [‡]) | | | <ul style="list-style-type: none"> "wet look" gels water-based aerosol mousses (E) and (I) used in anhydrous aerosols (W) in alcohol-free formulas gels mousses styling creams/lotions hair colorants pomades, waxes, pastes | |

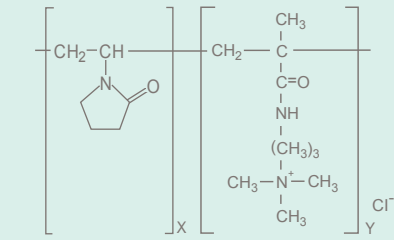
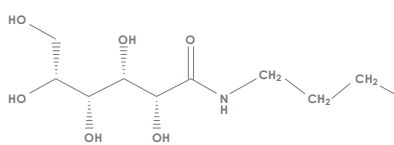
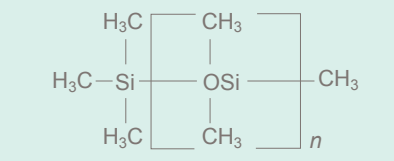
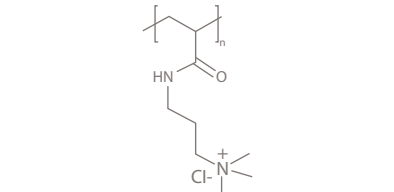
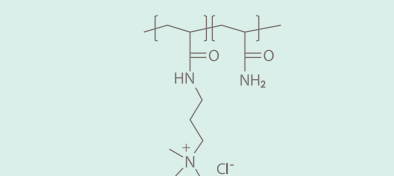
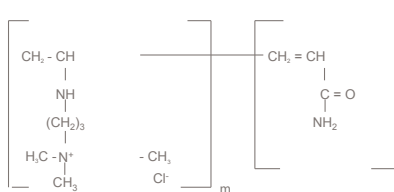
‡ Ratio (VP/VA)

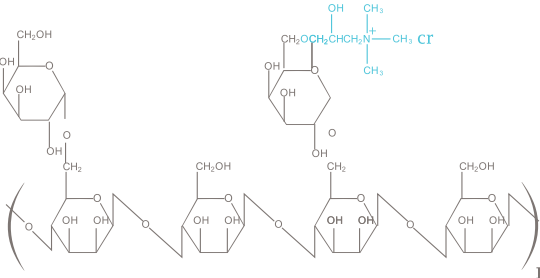
| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|-------------------------|--|----------------------|---|---|---|------------|
| Style Fusion™ complex 1 | (proposed) Polyquaternium-28 (and) PVM/MA Copolymer | 10% solid in water | <p>Polyquaternium-28</p>  <p>PVM/MA Copolymer</p>  | <ul style="list-style-type: none"> split end mending with mechanical durability cuticle smoothing promotes shine contributes to styling: fiber alignment thermal protection | <ul style="list-style-type: none"> leave in conditioners styling creams and lotions rinse off conditioner cream gels mousses serums | 10–20% |
| Style Fusion™ complex 2 | (proposed) Polyquaternium-11 (and) Polyquaternium-55 (and) PVM/MA Copolymer | 10% solid in water | <p>Polyquaternium - 11</p>  <p>Polyquaternium-55</p>  <p>PVM/MA Copolymer</p>  | <ul style="list-style-type: none"> durable smoothing with improved wash resistance enhanced through heat activation frizz control improved manageability and fiber alignment delivers enhanced shine conditioned smooth hair feel provides hold and curl retention under high humidity conditions | <ul style="list-style-type: none"> creams and lotions leave in and rinse off conditioner cream gels mousses serums sprays (non-aerosol) | 10–20% |

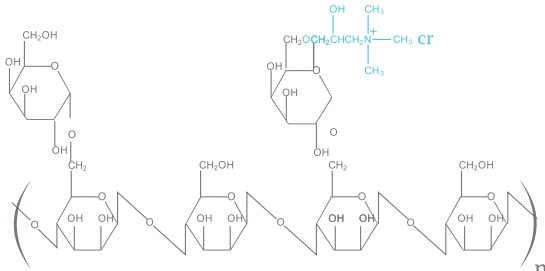
| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|------------------------------------|---|----------------------|--|--|--|--|
| Style Fusion™ complex 3 | (proposed) Guar Hydroxypropyltrimonium Chloride (and) Acrylates Copolymer | 5% solid in water | <p>Guar Hydroxypropyltrimonium Chloride</p>  <p>Acrylates Copolymer</p>  | <ul style="list-style-type: none"> long lasting high humidity curl retention good wet and dry detangling and combing improved sustainability profile improved manageability and frizz reduction provides natural hold with curl definition very smooth hair feel improves foam quality in mousses | <ul style="list-style-type: none"> mousses combing creams serums and lotions cream gels | 30–60% |
| Styleze CC-10 polymer ¹ | VP/DMAPA Acrylates Copolymer | 10% aqueous solution |  | <ul style="list-style-type: none"> superior, durable hold clear, non-tacky films long-lasting curl retention substantive to hair conditioning and bodying effects shine manageability clean feel thermal protection volumizing effects in shampoos forms a sprayable polyelectrolyte matrix when used in conjunction with one of the following rheology modifiers (Ashland 980/940 Carbomer, RapiThix A-60) | <ul style="list-style-type: none"> gels mousses styling creams/lotions pomades, waxes, pastes styling sprays (non-aerosol) shampoos conditioners | <p>Styling: 0.25–2.0% solids</p> <p>Shampoos/Conditioners: 0.5–1.0% solids</p> |
| Styleze™ W-10 polymer ¹ | Polyquaternium-55 | 10% aqueous solution |  | <ul style="list-style-type: none"> firm hold longevity of style high humidity resistance high flexibility conditioning low-tack volume color protection thermal protection forms a sprayable polyelectrolyte matrix when used in conjunction with one of the following rheology modifiers (Ashland 980/940 Carbomer, RapiThix A-60, Stabileze SM) | <ul style="list-style-type: none"> gels mousses styling creams/lotions leave-in conditioners pomades, waxes, pastes styling sprays (non-aerosol) shampoos conditioners | <p>Gels, Mousses, Lotions: 0.25–2.0% solids</p> <p>Shampoos/Conditioners: 0.25–1.0% solids</p> |
| Styleze W-17 polymer ¹ | | 17% aqueous solution | | | | |
| Styleze W-20 polymer ¹ | | 20% aqueous solution | | | | |
| Styleze XT3 polymer ¹ | Water (and) PVM/MA Copolymer (and) Polyimide-1 (and) Caprylyl Glycol | |  | <ul style="list-style-type: none"> frizz reduction enhances thermal styling, straight or curly thermal protection humidity resistance shine smooth, touchable hair lively, flowable texture lasting style hold smooth combing enhances hair's natural texture improved hair alignment/manageability | <ul style="list-style-type: none"> styling creams/lotions gels mousses lotions | 4.0% solids (13.5% as is) |

conditioning polymers

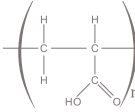
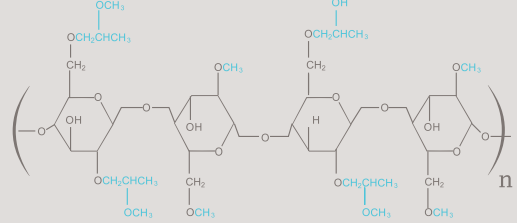
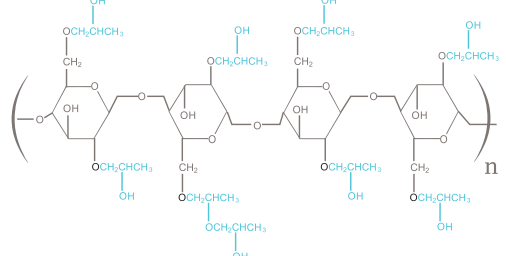
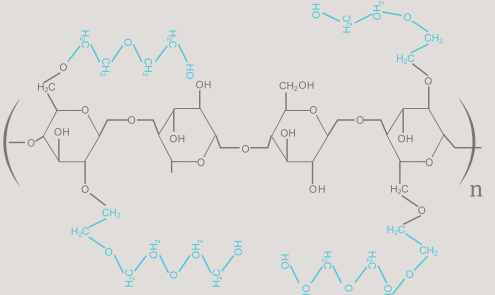
| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|--|---|-----------------------------|--|--|---|------------|
| AquaCat™ 518 cationic solution | Guar Hydroxypropyl-trimonium Chloride | Clear solution |  | <ul style="list-style-type: none"> light conditioning volumizing | <ul style="list-style-type: none"> volumizing shampoos daily shampoos | 0.2–0.4% |
| AquaCat PF 618 cationic solution | | | | <ul style="list-style-type: none"> paraben-free light conditioning volumizing | | |
| ChromoHance™ 113 conditioning polymer | Polyquaternium 113 | Clear Solution , 20% active |  | <ul style="list-style-type: none"> provide consumer perceivable color protection compatible with most surfactant systems | <ul style="list-style-type: none"> shampoos conditioners leave on treatments | 1.0–5.0% |
| ClearHance™ C conditioning polymer | Cassia Hydroxypropyl-trimonium chloride | White powder |  | <ul style="list-style-type: none"> superior conditioning good deposition of silicon emulsions and other oils outstanding clarity in clear shampoos and body washes. naturally derived compatible in all surfactant systems low in use cost provides a luxurious creamy lather and texture and slip. easy to process, no pH adjustment required low odor and color | <ul style="list-style-type: none"> shampoos conditioners body washes shower gels liquid hand soaps | 0.1–0.5% |
| Conditioneze™ 22 cationic solution | Polyquaternium-22 | Clear solution |  | <ul style="list-style-type: none"> compatible with a wide range of anionic, nonionic and cationic surfactants stable over a wide pH range (pH 2–12) provides excellent conditioning, wet and dry combability leaves hair feeling soft and silky and contributes to luster. leaves a smooth and silky feel in skin care products preserved with methyl and propyl parabens | <ul style="list-style-type: none"> shampoos conditioners formulated especially for damaged and treated hair colorant products ethnic hair care products | 1.0–3.0 % |
| Conditioneze 37 PC (E) cationic solution | Polyquaternium-37 and propylene Glycol Dicaprylate/ Dicaprate and PPG-1 Trideceth-6 | Opaque liquid |  | <ul style="list-style-type: none"> provides excellent conditioning and emulsion stabilization in hair and skin products easy to incorporate into formulations with no requirements for heating or neutralization compatible with nonionic and cationic surfactants efficiently build viscosity at low usage levels even at low pH levels | <ul style="list-style-type: none"> conditioners hair masks rheology | 2.0–4.0 % |

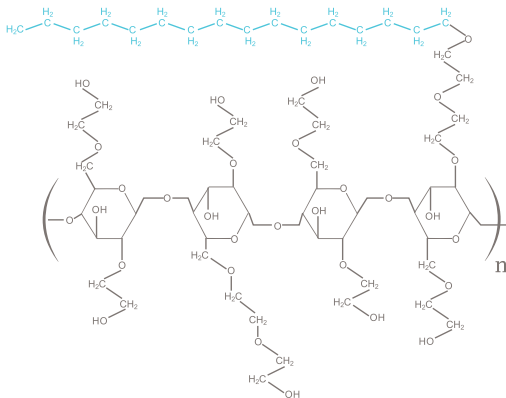
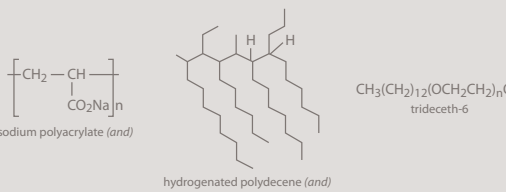
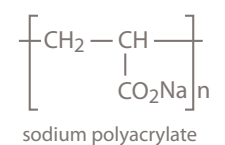
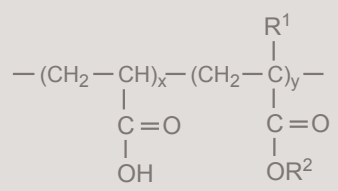
| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|---|--|----------------------------------|--|--|---|---|
| Conditioneze™ NT-20 cationic solution | Polyquaternium-28 | 20% aqueous solution |  | <ul style="list-style-type: none"> excellent wet and dry combing builds creamy, rich lather imparts body and manageability without build-up cold processable | <ul style="list-style-type: none"> shampoos conditioners styling creams/lotions gels mousses pomades, waxes, pastes permanent wave solutions | Shampoos/ Conditioners: 0.25–1.0% solids Styling: 2.0–4.0% solids |
| Conditioneze NT-20-0 cationic solution (Optiphen™ preserved) | | | | | | |
| FiberHance™ BM solution | Hydroxypropyl Gluconamide (and) Hydroxypropyl Ammonium Gluconate | Clear Solution, 50% active |  | <ul style="list-style-type: none"> provides inner strengthening of hair fiber internal bond creation improves manageability | <ul style="list-style-type: none"> shampoos | 1% solids |
| Gafquat™ HSi cationic solution | Polyquaternium-28 (and) Dimethicone | 20% aqueous solution |  | <ul style="list-style-type: none"> combines benefits of film-forming polymers and dimethicone while minimizing drawbacks associated with silicones such as greasy feel and build-up conditioning compatible with anionic surfactants stabilizes foam good storage stability | <ul style="list-style-type: none"> shampoos conditioners conditioning treatments gels mousses pomades, waxes, pastes | Styling: 1.0–2.0% solids Shampoos/ Conditioners: 0.2–1.0% solids |
| N-DurHance™ A-1000 conditioning polymer | Polyacrylamidopropyl- trimonium Chloride polymer | Clear solution |  | <ul style="list-style-type: none"> high conditioning durability no build-up preservative free compatible with cationics and nonionics | <ul style="list-style-type: none"> leave-on and rinse-off conditioners hair masks conditioning sprays shampoos | 0.1–1.0 % solids |
| N-DurHance AA-2000 conditioning polymer | Polyacrylamidopropyl- trimonium chloride/ acrylamide | Clear solution, 20% active |  | <ul style="list-style-type: none"> helps to revert hydrophobicity to original virgin state durable long lasting conditioning no build up compatible with cationic, non-ionic and some anionic surfactants | <ul style="list-style-type: none"> shampoos rinse-off and leave-on conditioners hair masks conditioning sprays | 0.1–1.0 % solids |
| N-Hance SP-100 polymer | Acrylamidopropyl Trimonium Chloride/ Acrylamide Copolymer | Powder |  | <ul style="list-style-type: none"> excellent wet/dry combability in silicone and non-silicone formulations optical clarity fast detangling of hair leaves wet and dry hair noticeably silkier high deposition of actives (silicone, anti-dandruff, natural oils, etc.) | <ul style="list-style-type: none"> ethnic hair products highly damaged/bleached/treated hair anti-dandruff shampoos silicone deposition | 0.1–0.2% |
| N-Hance 4572 conditioning polymer | Guar Hydroxypropyl- trimonium Chloride and Acrylamidopropyl Trimonium Chloride/ Acrylamide Copolymer | | | | <ul style="list-style-type: none"> shampoos conditioners | 0.15–0.25% |

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|--------------------------------|---|----------------------|--|--|--|--|
| N-Hance™ BF17 cationic guar | Guar Hydroxypropyl- trimonium Chloride | Powder |  | <ul style="list-style-type: none"> high conditioning, wet and dry combing active deposition aid efficient silicone deposition softer hair feel lather richness | <ul style="list-style-type: none"> shampoos/2-in-1 shampoos for ethnic hair highly damaged/bleached/treated hair silicone deposition anti-dandruff shampoos | 0.2–0.4% |
| N-Hance 3215 cationic guar | | | | | <ul style="list-style-type: none"> deep conditioning ethnic hair products highly damaged/bleached/treated hair anti-dandruff shampoos high active deposition silicone deposition | 0.2–0.4% |
| N-Hance 3196 cationic guar | | | | <ul style="list-style-type: none"> shampoos/2-in-1 shampoos for ethnic hair highly damaged/bleached/treated hair silicone deposition anti-dandruff shampoos | 0.2–0.4% | |
| N-Hance™ BF13 cationic guar | | | | | <ul style="list-style-type: none"> medium conditioning, wet and dry combing medium deposition aid efficient silicone deposition softer hair feel lather richness | <ul style="list-style-type: none"> damaged/bleached/treated hair virgin hair silicone deposition active deposition daily shampoos anti-dandruff shampoos |
| N-Hance CG13 cationic guar | | | | <ul style="list-style-type: none"> damaged/bleached/treated hair virgin hair silicone deposition active deposition daily shampoos | 0.2–0.4% | |
| N-Hance CCG45 cationic guar | | | | <ul style="list-style-type: none"> light to medium conditioning, wet and dry combing medium deposition aid efficient silicone deposition softer hair feel lather richness | <ul style="list-style-type: none"> clear systems mildly damaged virgin hair volumizing shampoos daily shampoos | 0.2–0.4% |

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|----------------------------------|---------------------------------------|-------------------|--|---|--|------------|
| N-Hance™ 3000/3299 cationic guar | Guar Hydroxypropyl-trimonium Chloride | Powder |  | <ul style="list-style-type: none"> low viscosity low conditioning | <ul style="list-style-type: none"> light conditioning shampoos volumizing shampoos | 0.2–0.4% |
| N-Hance C261 cationic guar | | | | <ul style="list-style-type: none"> low viscosity low conditioning self hydrating | | |
| N-Hance C261N cationic guar | | | | <ul style="list-style-type: none"> low viscosity low conditioning | | |

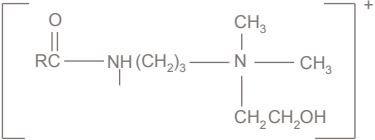
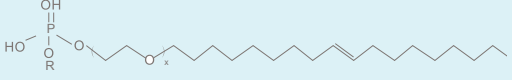
rheology modifiers

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|--|-------------------------------|-------------------|--|---|--|------------|
| Ashland™ 980/940/981/941 Carbomer | Carbomer | Powder |  | <ul style="list-style-type: none"> rheology modifier stabilization | <ul style="list-style-type: none"> shampoos styling products | 0.2–0.5% |
| Benecel™ HPMC | Hydroxypropyl Methylcellulose | Powder |  | <ul style="list-style-type: none"> stabilizes complex surfactant mixtures increases lather density increases lather volume increases lather stability thickens soap-based shampoos Benecel K200M HPMC thickens hydroalcoholic systems | <ul style="list-style-type: none"> shampoos styling products | 0.5–2.0% |
| Benecel E10 HPMC | | | | | | |
| Benecel K200M HPMC | | | | | | |
| Klucel™ hydroxypropylcellulose | Hydroxypropylcellulose | Powder |  | <ul style="list-style-type: none"> alcohol-soluble thickener film-former | <ul style="list-style-type: none"> styling products | 0.2–1.0% |
| Natrosol™ hydroxyethylcellulose/ Natrosol 250 ME/ HR/HHR | Hydroxyethylcellulose | Powder |  | <ul style="list-style-type: none"> viscosity builder stabilization | <ul style="list-style-type: none"> conditioners styling products | 0.2–1.0% |

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|--|--|---|--|--|--|-------------------------|
| Natrosol™ Plus 330 CS cetyl modified hydroxyethylcellulose | Cetyl Hydroxyethylcellulose | Powder |  | <ul style="list-style-type: none"> provides stability for complex anionic, cationic or nonionic surfactant systems thickens cationic emulsions | <ul style="list-style-type: none"> shampoos conditioners styling products Natrosol Plus 330 CS can be used in APG-based systems | 0.5–1.5% |
| PolySurf™ 67 cetyl modified hydroxyethylcellulose | | | | | | |
| RapiThix™ A-60 polymer | Sodium Polyacrylate (and) Hydrogenated Polydecene (and) Trideceth-6 | White milky dispersion (57–59% solids) |  | <ul style="list-style-type: none"> easy-to-use emollient-based dispersion provides soft, smooth feel can be post-added to adjust viscosity after emulsion forms and cools produces instant crème gels at room temperature high shear not required | <ul style="list-style-type: none"> emulsifier-free products hair shine lotions anti-frizz products styling creams/lotions conditioning creams pomades, waxes, pastes | Up to 3.6% solids |
| RapiThix A-100 polymer | Sodium Polyacrylate | White powder |  | <ul style="list-style-type: none"> fully active white powder offering greater formulation flexibility provides soft, smooth feel no pre-set oil phase makes oil-free systems possible high-solids content for higher efficiency | <ul style="list-style-type: none"> emulsifier-free products hair shine lotions anti-frizz products styling creams/lotions conditioning creams pomades, waxes, pastes | 0.2–2.5% |
| Ultrathix™ 20 polymer | Acrylates/C10-30 Alkyl Acrylate Crosspolymer | Powder |  | <ul style="list-style-type: none"> self-wetting rheology modifier with improved electrolyte tolerance improved suspension in surfactant based system hydroalcoholic systems | <ul style="list-style-type: none"> shampoos 2 in 1 shampoos body washes styling creams gels lotions | 0.2–1.5% |
| Ultrathix 21 polymer | | | | <ul style="list-style-type: none"> self-wetting rheology modifier with improved electrolyte tolerance excellent sensorial properties emulsion stabilization hydroalcoholic systems | <ul style="list-style-type: none"> styling creams gels lotions shampoos hand sanitizers | 0.2–1.5% |

conditioners

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|--------------------------------|--------------------------------------|----------------------|--|---|---|---|
| Ceraphyl™ 60 cationic solution | Quaternium-22 | 60% aqueous solution | $\left[\begin{array}{c} \text{OH} \quad \text{OH} \quad \text{HO} \quad \text{O} \\ \quad \quad \quad \\ \text{H}_2\text{C}-\text{CH}-\text{CH}-\text{CH}-\text{CH}-\text{C}-\text{NH}-(\text{CH}_2)_3-\text{N}-\text{CH}_2-\text{CH}_2\text{OH} \\ \quad \quad \quad \quad \quad \\ \text{OH} \quad \text{OH} \quad \quad \quad \text{CH}_3 \\ \quad \quad \quad \quad \quad \quad \quad \\ \quad \quad \quad \quad \quad \quad \quad \text{CH}_3 \end{array} \right]^{\oplus} \text{Cl}^{\ominus}$ | <ul style="list-style-type: none"> mild cationic with pronounced substantivity to hair provides detangling, anti-static and conditioning binds moisture in hair care applications | <ul style="list-style-type: none"> shampoos conditioners gels mousses | Up to 4.8% solids |
| Ceraphyl 65 cationic solution | Quaternium-26 (and) Propylene Glycol | 55% solution | $\left[\begin{array}{c} \text{O} \\ \\ \text{R}-\text{C}-\text{NH}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{N}-\text{CH}_2-\text{CH}-\text{OH} \\ \quad \\ \text{CH}_3 \quad \text{CH}_3 \end{array} \right]^{\oplus} \text{Cl}^{\ominus}$ <p>R= Mink fatty acids</p> | <ul style="list-style-type: none"> mild cationic with pronounced substantivity to hair provides detangling, anti-static and conditioning cationic emulsification | <ul style="list-style-type: none"> shampoos conditioners | Up to 5.0% (rinse-off application only) |
| Ceraphyl 70 cationic solution | Quaternium-70 (and) Propylene Glycol | 54% solution | $\left[\begin{array}{c} \text{O} \quad \quad \quad \text{O} \\ \quad \quad \quad \\ \text{C}_{17}\text{H}_{35}-\text{C}-\text{NH}-(\text{CH}_2)_3-\text{N}-\text{CH}_2-\text{C}-\text{O}-\text{C}_{14}\text{H}_{29} \\ \quad \\ \text{CH}_3 \quad \text{CH}_3 \end{array} \right]^{\oplus} \text{Cl}^{\ominus}$ | <ul style="list-style-type: none"> mild cationic pronounced substantivity to skin and hair provides detangling, anti-static and conditioning cationic emulsification thermal protection from curling irons & blow dryers | <ul style="list-style-type: none"> shampoos conditioners mousses cream gels pomades, waxes, pastes permanent wave solutions | <p>1.0% solids for thermal protection</p> <p>Up to 0.7% solids for rinse-off applications</p> |

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|--|---|-------------------------------------|--|--|--|---|
| ProLipid™ 161 lamellar gel ¹ | Cetearyl Alcohol (and) Behenyl Alcohol (and) Hydroxyethyl Cetearamidopropyl- dimonium Chloride | White to cream colored flakes |  <p>CH₃(CH₂)₂₀CH₂OH and CH₃(CH₂)₁₆CH₂OH CH₃(CH₂)₁₄CH₂OH (Behenyl Alcohol) (Cetearyl Alcohol)</p> | <ul style="list-style-type: none"> composed of vegetal-based amphiphilic compounds lamellar gel structuring ingredient that enhances formulation texture and stability provides moisturization and conditioning to hair ease of wet and dry combing makes hair feels soft and smooth binder thickener opacifying agent anti-static substantive over a broad pH range | <ul style="list-style-type: none"> shampoos conditioners styling creams/lotions mousses treatment applications targeting damaged and chemically treated hair hair colorants pomades, waxes, pastes permanent wave solutions hair relaxers | <p>1.67–6.67% by weight when used for conditioning</p> <p>4.0–6.0% by weight when used as a structuring agent</p> |
| Zenix™ 4617 phosphate ester surfactant | Oleth-5 Phosphate | Liquid |  | <ul style="list-style-type: none"> silicone-like performance without silicone when combined with cationic guar | <ul style="list-style-type: none"> shampoos 2-in-1 shampoos | 2.0–4.0% |

vincience™ biotHAIRapy™ biofunctionals

| trade name | INCI name | description | benefits |
|--------------------------------|--|---|---|
| Capauxein™ G2 biofunctional | Water, Glycerin, Hydrolyzed Corn Protein, Adenosine, Magnesium Ascorbyl Phosphate, Carnitine | Inspired by the "Hair Fullness System™" associated with hair density | <p>Capauxein G2 is associated with an increase in key biomarkers:</p> <ul style="list-style-type: none"> Ki67 and β1-integrin, markers of proliferation and communication respectively (<i>in vitro, ex vivo</i>) versican and Noggin, highly expressed during the anagen phase in the dermal papilla (3D-spheres) <p>Capauxein G2 clinical results on 39 panelists</p> <ul style="list-style-type: none"> a healthier scalp with less visible oiliness and more hydration (<i>in vivo</i>) a visible maintenance of the anagen phase (<i>in vivo</i>) a visible improvement of hair density and fullness (<i>in vivo</i>) |
| Chromafend™ biofunctional | Water (aqua) (and) Glycerin (and) Hydrolyzed Linseed Extract | A flax seed extract inspired by the "Hair Melanin System™" to help hair preserve its original color | <ul style="list-style-type: none"> associated <i>in vitro, ex vivo</i> with an increase of tyrosinase (tyrosinase is involved in melanin production) associated with the <i>in vitro</i> increase in TRP-1 (TRP-1 is known to participate in melanin synthesis) associated with <i>in vitro</i> increase in Pmel 17 (Pmel 17 is associated with favorable conditions for melanin synthesis) associated with an <i>in vitro</i> increase of MITF (MITF is known to regulate melanin synthesis) associated with an <i>in vitro</i> increase of c-kit (c-kit is associated with melanin process) associated with an <i>in vitro</i> increase of PAR-2 (PAR-2 helps transfer melanin into keratinocytes) <i>ex vivo</i>, Chromafend is associated with an increase of the melanin in the hair cortex |

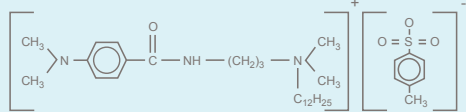
| trade name | INCI name | description | benefits |
|----------------------------|---|--|---|
| Dynagen™ biofunctional | Water (aqua) (and) Glycerin (and) Hydrolyzed Yeast Protein | A yeast extract inspired by the "Hair Keratin System™" for stronger and healthier looking hair | <ul style="list-style-type: none"> consumer-perceivable benefit for stronger, thicker, healthier hair feel (<i>in vivo</i>) associated with <i>ex vivo</i> increase in key protein markers, keratin 14, keratin 17, keratin 71, trichohyalin, all of which are associated with minimization of hair fall associated with <i>ex vivo</i> increase in collagen i associated with <i>ex vivo</i> increase in collagen IV and CD34 (both of these compounds are associated with healthy appearance of the hair) |
| Procataline™ biofunctional | Water (aqua) (and) Glycerin (and) Pisum Sativum (pea) Extract | A pea extract inspired by the "Hair Detox System™" for healthier, younger looking hair | <ul style="list-style-type: none"> associated <i>ex vivo</i> with an increase of catalase enzyme expression (a decrease in catalase activity is associated with environmental damage and hair aging) associated <i>ex vivo</i> with a maintenance of p63 expression in stress conditions (p63 is associated with cell regeneration and is shown to be related to hair growth) associated with a decrease of caspase-3 expression in stress conditions (caspases play a critical role in apoptosis) (<i>ex vivo</i>) <i>ex vivo</i>, Procataline is associated with reduced signs of aging induced by H₂O₂ stress, such as maintenance of the melanin in the hair cortex |
| Protectagen™ biofunctional | Water (aqua) (and) Glycerin (and) Hydrolyzed Rice Protein | A rice extract inspired by the "Hair Stemness System™" to mitigate stress and preserve hair growth capital | <ul style="list-style-type: none"> associated with an increase in stem cells markers, key to the maintenance of hair growth capital (keratin 15, α6-Integrin, β-Catenin and p63) (<i>ex vivo</i>) may help preserve hair follicle against harmful UV damage, evidenced by the lower expression of p53 markers (<i>ex vivo</i>) associated <i>ex vivo</i> with an improved appearance of hair length |

Note: In the U.S. hair growth and hair loss prevention claims fall under an OTC drug monograph 21CFR Part 310. Use of these claims requires a New Drug Application. Similar restrictions may exist in other parts of the world.

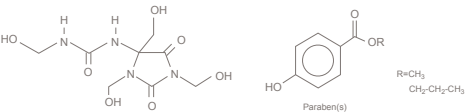
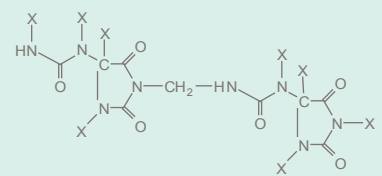
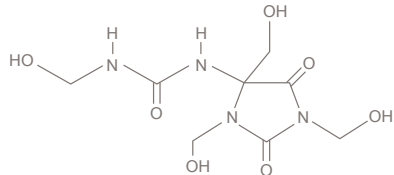
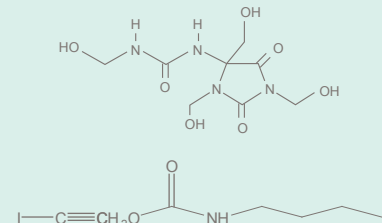
| trade name | INCI name | hair care product categories | | | | | |
|----------------------------|---|------------------------------|---------------|------------------|-----------|------------------|------------|
| | | hair aging at the roots | hair strength | hair nourishment | uv stress | oxidative stress | hair color |
| Capauxein™ biofunctional | Water (aqua) (and) Glycerin (and) Hydrolyzed Corn Protein | ● | | | | | |
| Chromafend™ biofunctional | Water (aqua) (and) Glycerin (and) Hydrolyzed Linseed Extract | ● | | | | | ● |
| Dynagen™ biofunctional | Water (aqua) (and) Glycerin (and) Hydrolyzed Yeast Protein | ● | ● | ● | | | |
| Procataline™ biofunctional | Water (aqua) (and) Glycerin (and) Pisum Sativum (pea) Extract | ● | | | | ● | ● |
| Protectagen™ biofunctional | Water (aqua) (and) Glycerin (and) Hydrolyzed Rice Protein | ● | | | ● | | |

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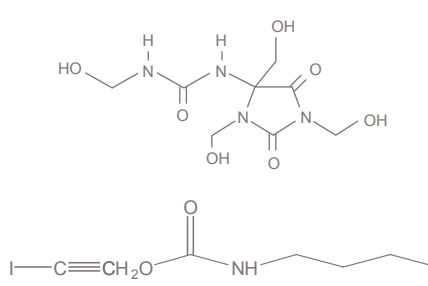
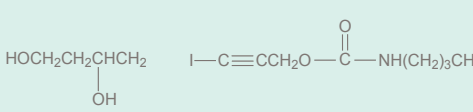
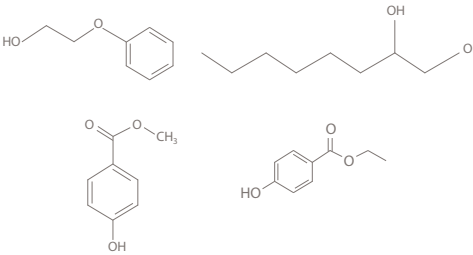
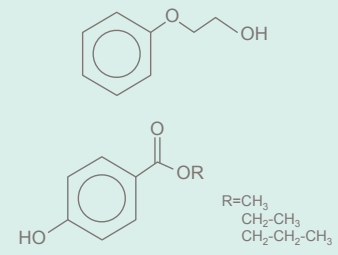
UV protectants

| trade name | INCI name | description/form | structure | features and benefits | applications | use levels |
|---------------------------------------|---|--------------------|--|--|---|-----------------|
| Escalol™ HP UV filter ¹ | DimethylPABAmidopr-opyl Laurdimonium Tosylate | 100% active powder |  | <ul style="list-style-type: none"> protects hair from UV light substantive conditions hair giving it body and manageability provides detangling and anti-static properties to hair easy to handle broad raw material compatibility | <ul style="list-style-type: none"> gels mousses styling sprays serums hair treatment pomades, waxes, pastes conditioners | 0.1–0.5% solids |
| Escalol HP 610 UV filter ¹ | DimethylPABAmidopr-opyl Laurdimonium Tosylate (and) Water (and) Propylene Glycol Stearate | Creamy waxy solid | | | | |

preservatives

| trade name | INCI name | description/form | structure | features and benefits | applications | use levels |
|---|--|--|--|--|---|------------|
| Germaben™ II preservative | Propylene Glycol (and) Diazolidinyl Urea (and) Methylparaben (and) Propylparaben | Clear liquid |  | <ul style="list-style-type: none"> broad-spectrum activity against gram-positive and gram-negative bacteria, yeast and mold effective over broad pH range: 3.0 – 7.5 | <ul style="list-style-type: none"> shampoos conditioners mousses creams pomades, waxes, pastes | 0.5–1.0% |
| Germall™ 115 preservative | Imidazolidinyl Urea | White, free-flowing hygroscopic powder |  | <ul style="list-style-type: none"> very effective against gram-positive and gram-negative bacteria acts synergistically with other preservatives effective over broad pH range: 3–9 | <ul style="list-style-type: none"> shampoos conditioners | 0.2–0.6% |
| Germall II preservative | Diazolidinyl Urea | White, free-flowing hygroscopic powder |  | <ul style="list-style-type: none"> broad-spectrum activity against gram-positive and gram-negative bacteria synergistic with other preservatives effective over broad pH range: 3–9 | <ul style="list-style-type: none"> shampoos conditioners | 0.1–0.3% |
| Germall™ Plus preservative ¹ | Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate | White, free-flowing hygroscopic powder |  | <ul style="list-style-type: none"> broad-spectrum antimicrobial activity effective over broad pH range: 3–8 | <ul style="list-style-type: none"> shampoos conditioners gels styling creams/lotions | 0.05–0.2% |

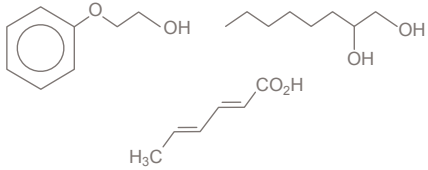
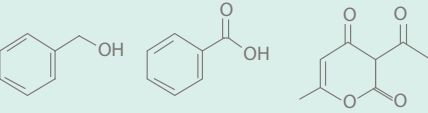
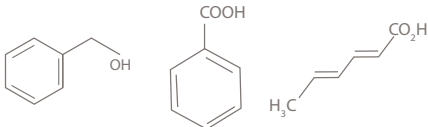
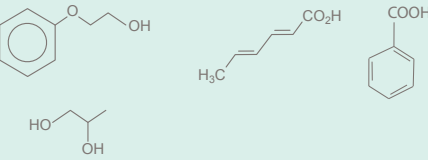
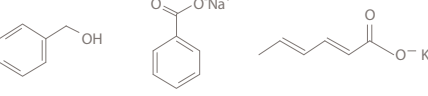
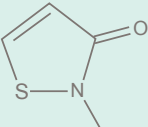
[†] For country-specific details, please contact your account manager
Hair Care Overview Guide

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|--|---|-----------------------------------|--|---|--|-----------------------|
| Liquid Germall™ Plus preservative [†] | Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate | Clear liquid |  | <ul style="list-style-type: none"> ○ broad-spectrum antimicrobial activity ○ effective over broad pH range: 3–8 | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ gels ○ styling creams/lotions | 0.1–0.5% |
| LiquaGard™ preservative | Butylene Glycol (and) Iodopropynyl Butylcarbamate | Liquid |  | <ul style="list-style-type: none"> ○ effective fungicide ○ works over wide pH range: 4–9 ○ compatible with broad range of raw materials including surfactants and proteins | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ styling creams/lotions ○ hair colorants ○ gels | 0.1–0.2% [†] |
| LiquaPar™ ME preservative (Available in EU, LA, AP) | Phenoxyethanol (and) Methylparaben (and) Ethylparaben (and) Caprylyl Glycol | Colorless to light brown solution |  | <ul style="list-style-type: none"> ○ provides similar efficiency to traditional paraben combinations ○ effective over broad pH range: 3.0–7.5 ○ global use[†] | <ul style="list-style-type: none"> ○ styling creams/lotions ○ anhydrous systems | 0.5–1.0% |
| LiquaPar MEP preservative (sold as Rokonsal™ MEP preservative in EU) | Phenoxyethanol (and) Methylparaben (and) Ethylparaben (and) Propylparaben | Clear, yellowish solution |  | <ul style="list-style-type: none"> ○ broad-spectrum activity against bacteria, yeast and mold ○ effective over broad pH range: 3.0–7.5 ○ global use[†] | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ anhydrous systems | 0.3–1.0% |

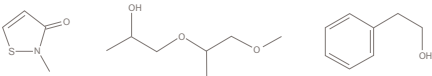
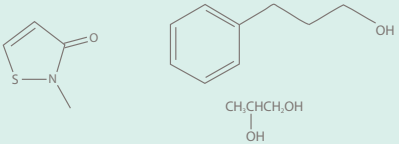
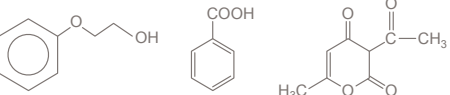
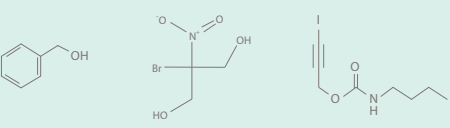
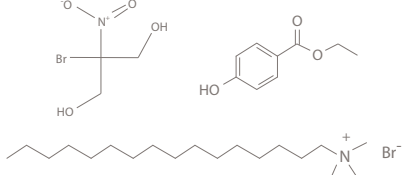
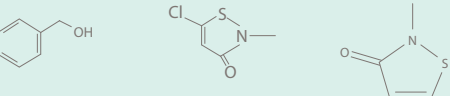
[†] For country-specific details, please contact your account manager

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|------------------------------------|--|--|-----------|--|---|------------|
| LiquaPar™ PN preservative | Phenoxyethanol (and) Methylparaben (and) Ethylparaben (and) Propylparaben (and) Butylparaben | Clear liquid | | <ul style="list-style-type: none"> ○ broad-spectrum activity against bacteria, yeast and mold ○ effective over broad pH range: 3.0–7.5 ○ global use† | <ul style="list-style-type: none"> ○ styling creams/lotions ○ anhydrous systems | 0.5–1.0% |
| Optiphen™ 200 preservative | Phenoxyethanol (and) Caprylyl Glycol | Clear to pale straw liquid | | <ul style="list-style-type: none"> ○ broad-spectrum activity against bacteria, yeast and mold ○ effective over broad pH range: 4.0–8.0 ○ global use† | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ gels ○ mousses ○ creams ○ pomades, waxes, pastes | 0.75–1.3% |
| Optiphen preservative ¹ | Phenoxyethanol (and) Caprylyl Glycol | Clear to pale straw liquid [EU: Colorless to light yellow solution] | | <ul style="list-style-type: none"> ○ broad-spectrum activity against bacteria, yeast and mold – additional fungicidal protection may be needed in difficult formulations ○ effective over broad pH range: 4–8 ○ global use† | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ gels ○ mousses ○ styling creams/lotions ○ pomades, waxes, pastes | 0.75–1.5% |
| Optiphen DP preservative | Propylene Carbonate (and) Benzoic Acid (and) Dehydroacetic Acid (and) Propanediol | Liquid | | <ul style="list-style-type: none"> ○ microbiostatic spectrum of activity, in some formulations additional booster is needed ○ effective up to pH 6.0 ○ global use† ○ cost efficient preservative based on uncontroversial ingredients ○ optimized delivery system without alcoholic antimicrobials | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ gels ○ mousses ○ styling creams/lotions ○ pomades, waxes, pastes | 0.3–2.0% |
| Optiphen DLP preservative | Propylene Carbonate (and) Dehydroacetic Acid | Liquid | | <ul style="list-style-type: none"> ○ antifungal boosting activity at low levels; full antimicrobial spectra at high levels ○ effective up to pH 6.4. ○ global use† ○ cost efficient preservative based on nature identical active ingredient ○ optimized delivery system without alcoholic antimicrobials | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ gels ○ mousses ○ styling creams/lotions ○ pomades, waxes, pastes | 0.3–2.0% |

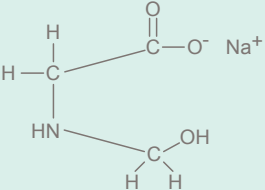
† For country-specific details, please contact your account manager

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|--|---|--|--|---|---|------------|
| Optiphen™ Plus preservative [†] | Phenoxyethanol (and) Caprylyl Glycol (and) Sorbic Acid | Clear to pale straw liquid [EU: Colorless to light yellow solution] |  | <ul style="list-style-type: none"> ○ broad spectrum activity against bacteria, yeast and mold ○ ideal for slightly acidic personal care products ○ effective pH range up to 6.0 ○ global use[†] | <ul style="list-style-type: none"> ○ mousses ○ shampoos ○ conditioners ○ pomades, waxes, pastes | 0.75–1.5% |
| Optiphen BD preservative (Available in EU, LA, AP) | Benzyl Alcohol (and) Benzoic Acid (and) Dehydroacetic Acid | Colorless to light yellow solution |  | <ul style="list-style-type: none"> ○ microbiostatic spectrum of activity against bacteria, mold and yeast ○ effective up to pH 6.4 ○ global use[†] ○ nature-identical combination ○ ecocert-compliant | <ul style="list-style-type: none"> ○ styling creams/lotions ○ shampoos ○ conditioners | 0.3–1.0% |
| Optiphen BSB-N preservative (sold as Rokonsal™ 658-N preservative in EU) | Benzyl Alcohol (and) Glycerin (and) Benzoic Acid (and) Sorbic Acid | Colorless light brown liquid |  | <ul style="list-style-type: none"> ○ effective against gram-positive and gram-negative bacteria, yeast and mold ○ effective up to pH 5.4 ○ global use[†] ○ nature-identical combination ○ ecocert-compliant | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ gels ○ mousses ○ styling creams/lotions ○ pomades, waxes, pastes | 0.3–1.0% |
| Optiphen BSP (Sold as Rokonsal BSP preservative in EU) | Phenoxyethanol (and) Propylene Glycol (and) Benzoic Acid (and) Sorbic Acid | Colorless light brown liquid |  | <ul style="list-style-type: none"> ○ effective against gram-positive and gram-negative bacteria, yeast and mold ○ effective up to pH 5.4 ○ global use[†] ○ nature-identical combination | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ gels ○ mousses ○ styling creams/lotions ○ pomades, waxes, pastes | 0.3–1.0% |
| Optiphen BSB-W preservative (Available in EU, LA, AP) | Benzyl Alcohol (and) Water (aqua) (and) Sodium Benzoate (and) Potassium Sorbate | Colorless light brown liquid |  | <ul style="list-style-type: none"> ○ effective against gram-positive and gram-negative bacteria, yeast and mold ○ effective up to pH 5.4 ○ global use[†] ○ nature-identical combination ○ ecocert-compliant | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ gels ○ mousses ○ styling creams/lotions ○ pomades, waxes, pastes | 0.3–1.0% |
| Optiphen MIT preservative | Methylisothiazolinone and Water (aqua) | Colorless to light yellow solution |  | <ul style="list-style-type: none"> ○ mainly effective against gram-positive and gram-negative bacteria ○ effective between pH 2–10 ○ global use[†] | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ gels ○ mousses ○ styling creams/lotions ○ pomades, waxes, pastes | 0.05–0.1% |

[†] For country-specific details, please contact your account manager

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|---|--|------------------------------------|--|---|---|-----------------------|
| Optiphen™ MIT Plus preservative [†] | Methylisothiazolinone (and) Phenethyl Alcohol (and) PPG-2-Methyl Ether and water (Aqua) | Colorless to light yellow solution |  | <ul style="list-style-type: none"> ○ broad-spectrum activity against bacteria, yeast and mold ○ effective between pH 2–10 ○ global use[†] | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ gels ○ mousses ○ styling creams/lotions ○ pomades, waxes, pastes | 0.05–0.2% |
| Optiphen MIT Ultra preservative [†] | Methylisothiazolinone (and) Phenylpropanol (and) Propylene Glycol (and) Water (aqua) | Colorless to light yellow solution |  | <ul style="list-style-type: none"> ○ broad-spectrum activity against bacteria, yeast and mold ○ effective between pH 2–10 ○ global use[†] | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ gels ○ mousses ○ styling creams/lotions ○ pomades, waxes, pastes | 0.05–0.3% |
| Optiphen ND preservative (Sold as Rokonsal ND preservative in EU) | Phenoxyethanol (and) Benzoic Acid (and) Dehydroacetic Acid | Light yellow to yellow solution |  | <ul style="list-style-type: none"> ○ microbiostatic spectrum of activity against bacteria, mold and yeast ○ effective up to pH 6.4 ○ global use[†] | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ creams ○ pomades, waxes, pastes | 0.3–1.0% |
| Rokonsal™ LJ-1 preservative (Available in EU, LA, AP) | Benzyl Alcohol (and) 2-Bromo-2-Nitropropane-1,3-Diol (and) Iodopropynyl Butylcarbamate (and) Deceth-8 (and) PPG-2 Methyl Ether | Colorless to light brown solution |  | <ul style="list-style-type: none"> ○ broad-spectrum activity against bacteria, with enhanced performance against fungi and yeast ○ fast-acting ○ effective up to pH 7.0 max. ○ global use[†] | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ styling creams/lotions ○ pomades, waxes, pastes | 0.1–0.4% [†] |
| Rokonsal SE-2 preservative (Available in EU, LA, AP) | 2-Bromo-2-Nitropropane-1,3-Diol (and) Ethylparaben (and) Cetrimonium Bromide (and) PPG-2 Methyl Ether | Colorless to yellow solution |  | <ul style="list-style-type: none"> ○ broad-spectrum activity against bacteria, fungi and yeast ○ fast-acting ○ effective up to pH 7.0 max. ○ global use[†] | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ styling creams/lotions | 0.1–0.3% |
| Rokonsal KS-4 preservative (Available in EU, LA, AP) | Benzyl Alcohol (and) Methylchloroisothiazolinone (and) Methylisothiazolinone (and) Propylene Glycol | Colorless to yellow solution |  | <ul style="list-style-type: none"> ○ broad spectrum activity against bacteria, yeast and mold ○ fast-acting ○ effective up to pH 8.0 max. ○ global use[†] | <ul style="list-style-type: none"> ○ shampoos ○ conditioners | 0.05–0.12% |

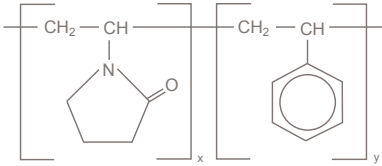
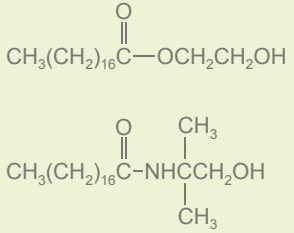
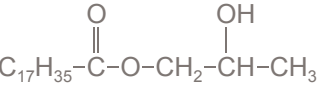
[†] For country-specific details, please contact your account manager

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|---------------------------|-------------------------------|-------------------------------|--|---|--|------------|
| Suttocide™ A preservative | Sodium Hydroxymethylglycinate | Clear to pale yellow solution |  | <ul style="list-style-type: none"> ○ broad-spectrum preservation ○ long history of use for efficacy ○ fast-acting ○ effective pH: 3.5–12 ○ global use† | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ gels ○ styling creams/lotions | 0.5–1.0% |

aromatics with antimicrobial properties

| trade name | INCI name | description/ form | features and benefits | applications | use levels |
|-----------------------|---|--|--|---|------------|
| Conarom™ P-2 aromatic | Phenethyl Alcohol (and) Caprylyl Glycol (and) Propanediol (and) Polyglyceryl-4 Laurate/Sebacate (and) Polyglyceryl-6 Caprylate/Caprinate (and) Aqua (Water) | Nature-identical fragrance additive with naturally derived emulsifier system | <ul style="list-style-type: none"> ○ mild rose-like aroma, containing naturally derived and nature identical ingredients ○ aromatic ingredient that provides broad-spectrum protection ○ complements aroma of final product ○ effective pH range 4–8 | <ul style="list-style-type: none"> ○ shampoos ○ conditioners ○ gels ○ mousses ○ styling creams/lotions ○ pomades, waxes, pastes | 0.3–2.0% |

opacifiers/pearlizers

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|--|--------------------------------------|---|--|--|---|-------------------|
| Antara™ 430 polymer (Sold as Polecron™ in the USA) | Styrene/VP Copolymer | Fluid, milky white emulsion; 40% solids |  | <ul style="list-style-type: none"> ○ opacifier ○ forms strong, light-stable films with high water resistance ○ high acid tolerance ○ dye acceptor in hair color preparations | <ul style="list-style-type: none"> ○ conditioners ○ acid rinses ○ permanent wave solutions ○ gels ○ hair colorants ○ cream developers | Up to 1.0% solids |
| Cerasynt™ IP stearate ester | Glycol Stearate (and) Stearamide AMP | White to cream colored flakes |  | <ul style="list-style-type: none"> ○ imparts pearlescence and opacity | <ul style="list-style-type: none"> ○ shampoos ○ styling creams/lotions | Up to 2.0% solids |
| Cerasynt PA stearate ester | Propylene Glycol Stearate | White to cream colored flakes |  | <ul style="list-style-type: none"> ○ imparts pearlescence and opacity | <ul style="list-style-type: none"> ○ shampoos ○ styling creams/lotions | Up to 2.0% solids |

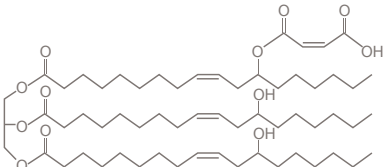
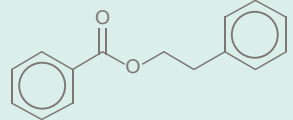
emulsifiers

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|---------------------------------|---------------------------------------|----------------------|--|--|--|------------|
| Cerasynt™ 945 stearate ester | Glyceryl Stearate (and) Laureth-23 | Flake | $\begin{array}{c} \text{O} \quad \text{OH} \\ \parallel \quad \\ \text{C}_{17}\text{H}_{35}-\text{C}-\text{O}-\text{CH}_2-\text{CH}-\text{CH}_2-\text{OH} \\ \\ \text{CH}_3 \text{CH}=\text{CHCONCH}_2 \text{CH}_3 \\ \\ \text{C}_6\text{H}_4 \\ \\ \text{CH}_3 \end{array}$ | <ul style="list-style-type: none"> Nonionic primary emulsifier High pH tolerance Forms opaque gels with mineral oil | <ul style="list-style-type: none"> Hair straighteners Styling creams/lotions Conditioners | 1.0–3.0% |
| Cerasynt SD stearate ester | Glyceryl Stearate | Flake | $\begin{array}{c} \text{O} \quad \text{OH} \\ \parallel \quad \\ \text{C}_{17}\text{H}_{35}-\text{C}-\text{O}-\text{CH}_2-\text{CH}-\text{CH}_2-\text{OH} \end{array}$ | <ul style="list-style-type: none"> Nonionic auxiliary emulsifier Emulsion stabilizer | <ul style="list-style-type: none"> Styling creams/lotions Conditioners | 0.25–3.0% |

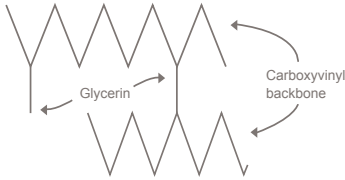
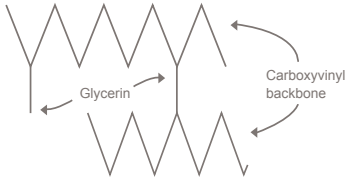
emollients

| trade name | INCI name | description/ form | structure | features and benefits | use level | shampoos | shine products | conditioners | styling | hairsprays | pomades, waxes, pastes |
|--|-------------------------|----------------------|--|--|-----------|----------|----------------|--------------|---------|------------|---------------------------|
| esters based on alpha hydroxy acids | | | | | | | | | | | |
| Ceraphyl™ 31 ester | Lauryl Lactate | Liquid | $\begin{array}{c} \text{O} \\ \parallel \\ \text{CH}_3\text{CHC}-\text{OCH}_2(\text{CH}_2)_{10}\text{CH}_3 \\ \\ \text{OH} \end{array}$ | <ul style="list-style-type: none"> plasticizing and de-tackifying agent highly effective emolliency with lubricity improves product slip upon application | 0.3–5.0% | ● | ● | | | | ● |
| Ceraphyl 41 ester | C12-15 Alkyl Lactate | Liquid | $\begin{array}{c} \text{O} \\ \parallel \\ \text{CH}_3\text{CHC}-\text{OR} \\ \\ \text{OH} \end{array}$ <p>R = C12-15 Mixed Alcohols</p> | <ul style="list-style-type: none"> effective de-tackifying agent spreads easily when applied dry initial feel with non-oily after-feel provides viscosity building and lather creaminess to shampoos | 0.3–5.0% | ● | | | | | |
| Ceraphyl 50 ester | Myristyl Lactate | Soft solid | $\begin{array}{c} \text{O} \\ \parallel \\ \text{CH}_3\text{CHC}-\text{OCH}_2(\text{CH}_2)_{12}\text{CH}_3 \\ \\ \text{OH} \end{array}$ | <ul style="list-style-type: none"> imparts lubricity | 0.3–5.0% | ● | ● | | | | ● |

| trade name | INCI name | description/ form | structure | features and benefits | use level | shampoos | shine products | conditioners | styling | hairsprays | pomades, waxes, pastes | |
|----------------------------------|---|----------------------|--|--|-----------|----------|----------------|--------------|---------|------------|---------------------------|---|
| light, dry feeling esters | | | | | | | | | | | | |
| Ceraphyl™ 140A ester | Isodecyl Oleate | Liquid | $\begin{array}{c} \text{H}_3\text{C} \quad \text{O} \\ \quad \parallel \\ \text{C}_8\text{H}_{17}-\text{C}-\text{O}-\text{C}-\text{C}_7\text{H}_{17}-\text{CH}=\text{CH}-\text{C}_8\text{H}_{17} \end{array}$ | <ul style="list-style-type: none"> excellent spreadability with dry initial feel drier feel than Ceraphyl 140 due to branching very little residual after-feel | 0.3–5.0% | | ● | | | | | |
| Ceraphyl 230 ester | Diisopropyl Adipate | Liquid | $\begin{array}{c} \text{CH}_3 \quad \text{O} \quad \text{O} \quad \text{CH}_3 \\ \quad \parallel \quad \parallel \quad \\ \text{CH}-\text{O}-\text{C}-(\text{CH}_2)_4-\text{C}-\text{O}-\text{CH} \\ \quad \quad \quad \\ \text{CH}_3 \quad \quad \quad \text{CH}_3 \end{array}$ | <ul style="list-style-type: none"> effective plasticizer and de-tackifier reduces greasiness of high-oil products spreads rapidly imparts dry initial feel with little to no residual after-feel coupling agent for hydroalcoholic preparations | 0.3–5.0% | | ● | ● | ● | ● | | |
| general purpose esters | | | | | | | | | | | | |
| Ceraphyl 368M ester | Ethylhexyl Palmitate | Liquid | $\begin{array}{c} \text{O} \\ \parallel \\ \text{CH}_3-(\text{CH}_2)_3-\text{CH}-\text{CH}_2-\text{O}-\text{C}-(\text{CH}_2)_{14}-\text{CH}_3 \\ \\ \text{CH}_2\text{CH}_3 \end{array}$ | <ul style="list-style-type: none"> non-occlusive non-oily after-feel suitable mineral oil replacement for beach protection formulations no impact on absorbance curves of UV actives | 0.3–5.0% | | | | | | ● | |
| Ceraphyl 494 ester | Isocetyl Stearate | Liquid | $\begin{array}{c} \text{O} \\ \parallel \\ \text{CH}_3-(\text{CH}_2)_{16}-\text{C}-\text{O}-\text{CH}_2-\text{CH}-\text{C}_8\text{H}_{17} \\ \\ \text{C}_6\text{H}_{13} \end{array}$ | <ul style="list-style-type: none"> all-purpose lubricant which imparts dry, emollient feel | 0.3–5.0% | | ● | ● | ● | | ● | |
| esters that impart body | | | | | | | | | | | | |
| Ceraphyl 424 ester | Myristyl Myristate (and) Myristyl Laurate | Waxy solid | $\begin{array}{c} \text{O} \\ \parallel \\ \text{CH}_3-(\text{CH}_2)_{12}-\text{C}-\text{O}-(\text{CH}_2)_{13}-\text{CH}_3 \end{array}$ | <ul style="list-style-type: none"> enhances spreadability and reduces drag upon product application liquifies upon contact with the body | 0.3–5.0% | | | ● | ● | | ● | |
| esters with elegant feel | | | | | | | | | | | | |
| Ceraphyl 55 ester | Tridecyl Neopentanoate | Liquid | $\begin{array}{c} \text{O} \quad \text{CH}_3 \\ \parallel \quad \\ \text{H}_{27}\text{C}_{13}-\text{O}-\text{C}-\text{C}-\text{CH}_3 \\ \\ \text{CH}_3 \end{array}$ | <ul style="list-style-type: none"> imparts elegant, light, non-oily feel | 0.3–5.0% | | | | | | ● | |
| Ceraphyl 375 ester | Isostearyl Neopentanoate | Liquid | $\begin{array}{c} \text{O} \quad \text{CH}_3 \\ \parallel \quad \\ \text{C}_8\text{H}_{17}-\text{CH}_2-\text{HC}-\text{CH}_2-\text{O}-\text{C}-\text{C}-\text{CH}_3 \\ \quad \quad \quad \\ \text{C}_6\text{H}_{13}-\text{CH}_2 \quad \quad \quad \text{CH}_3 \end{array}$ | <ul style="list-style-type: none"> improves product spreadability and playtime imparts elegant, light, non-oily feel | 0.3–5.0% | | | | | | | ● |

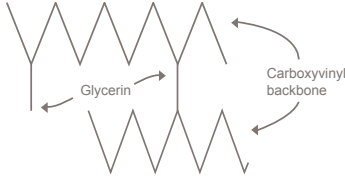
| trade name | INCI name | description/ form | structure | features and benefits | use level | shampoos | shine products | conditioners | styling | hairsprays | pomades, waxes, pastes |
|---|--|----------------------|--|---|-----------|----------|----------------|--------------|---------|------------|---------------------------|
| Ceraphyl™ ODS ester | Octyldodecyl Stearate | Liquid | $\text{CH}_3(\text{CH}_2)_{16}\overset{\text{O}}{\parallel}\text{C}-\text{OCH}_2\underset{\text{CH}_2(\text{CH}_2)_6\text{CH}_3}{\text{CH}}(\text{CH}_2)_9\text{CH}_3$ | <ul style="list-style-type: none"> imparts dry initial feel, luxurious mid-feel with a silky after-feel enhances product spreadability exceptional powder binding properties when blended with Ceraphyl 847 (1:1) | 0.3–5.0% | | ● | ● | | | ● |
| esters for maximum after-feel | | | | | | | | | | | |
| Ceraphyl 791 ester (complies to organic certifications, like Ecocert) | Isocetyl Stearoyl Stearate | Liquid | $\text{C}_{17}\text{H}_{35}-\overset{\text{O}}{\parallel}\text{C}-\text{O}-\underset{\text{C}_6\text{H}_{13}}{\text{CH}}-(\text{CH}_2)_{10}-\overset{\text{O}}{\parallel}\text{C}-\text{O}-\text{CH}_2-\underset{\text{C}_8\text{H}_{17}}{\text{CH}}-\overset{\text{O}}{\parallel}\text{C}-\text{C}_6\text{H}_{13}$ | <ul style="list-style-type: none"> imparts dry initial feel with lubricious after-feel long-lasting emollient | 0.3–5.0% | | | | | | ● |
| Ceraphyl 847 ester (complies to organic certifications, like Ecocert) | Octyldodecyl Stearoyl Stearate | Liquid | $\begin{array}{c} \text{CH}_2-\overset{\text{O}}{\parallel}\text{C}-(\text{CH}_2)_{10}-\underset{\text{C}_6\text{H}_{13}}{\text{CH}}-\overset{\text{O}}{\parallel}\text{C}-\text{C}_{17}\text{H}_{35} \\ \qquad \qquad \qquad \\ \text{CH}-\text{C}_8\text{H}_{17} \qquad \qquad \text{C}_{10}\text{H}_{21} \end{array}$ | <ul style="list-style-type: none"> offers dry initial feel with long-lasting cushiony, rich after-feel exceptional pigment dispersing and binding properties when blended with Ceraphyl ODS (1:1) | 0.3–5.0% | | | ● | | | ● |
| esters with natural appeal | | | | | | | | | | | |
| Orchid™ Complex OS | Caprylic/Capric Triglyceride (and) Cymbidium Grandiflorum Flower Extract | Liquid | $\begin{array}{c} \text{CH}_2-\overset{\text{O}}{\parallel}\text{C}-\text{R} \\ \\ \text{CH}-\overset{\text{O}}{\parallel}\text{C}-\text{R}^1 \\ \\ \text{CH}_2-\overset{\text{O}}{\parallel}\text{C}-\text{R}^{11} \end{array} \quad \text{R} = \text{Caprylic/Capric Acid}$ | <ul style="list-style-type: none"> enhances product spreadability offers smooth, light, silky after-feel | 0.3–5.0% | | | | | | ● |
| esters for rinse-off products | | | | | | | | | | | |
| Ceraphyl RMT ester | Castoryl Maleate | Liquid |  | <ul style="list-style-type: none"> offers clinically-proven moisturization in rinse-off products | 0.3–5.0% | ● | | | | | |
| esters with solubilizing capability | | | | | | | | | | | |
| X-Tend™ 226 ester | Phenethyl Benzoate | Liquid |  | <ul style="list-style-type: none"> high solubilizing capacity shine enhancement excellent skin feel increases the critical wavelength and the UVA/UVB ratio boosts polymeric shine in hairsprays | 0.3–5.0% | | | | | ● | ● |

Lubricants

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|--|---|------------------------------|--|--|---|------------|
| Lubrajel™** II XD hydrogel | Glycerin and Glyceryl Polyacrylate | Clear gels |  <p>Theoretical structure: Glyceryl Acetate/Acrylic Acid Copolymer</p> | <ul style="list-style-type: none"> superior moisturization imparts an inviting after-feel and slip excellent lubricity, spreadability and emolliency broad formulation compatibility and long shelf life good auxiliary thickening, suspending power and viscosity enhancement water-soluble cold-processable | <ul style="list-style-type: none"> hair treatment gels | 2.0–25.0% |
| Lubrajel** CG hydrogel | Glycerin and Glyceryl Acrylate/Acrylic Acid Copolymer and Propylene Glycol | | | | | 5.0–25.0% |
| Lubrajel** DV hydrogel | Glycerin and Glyceryl Acrylate/Acrylic Acid Copolymer and Propylene Glycol | | | | | 5.0–25.0% |
| Lubrajel** MS hydrogel | Glycerin and Glyceryl Acrylate/Acrylic Acid Copolymer and Propylene Glycol | | | | | 2.0–25.0% |
| Lubrajel** Natural skin conditioning gel | Glycerin, Beta-Glucan, Algin, Xanthan Gum | Very pale yellow viscous gel |  <p>Theoretical structure: Glyceryl Acetate/Acrylic Acid Copolymer</p> | <ul style="list-style-type: none"> multifunctional ingredient providing sensory and stabilization benefits consumer pleasing aesthetics with a natural ingredient conforms to ecocert natural and organic cosmetic standard | <ul style="list-style-type: none"> hair treatment gels | 0.3–50.0% |
| Lubrajel** NP hydrogel | Glycerin and Glyceryl Acrylate/Acrylic Acid Copolymer | | | | | 2.0–25% |
| Lubrajel** Oil hydrogel | Glycerin and Glyceryl Acrylate/Acrylic Acid Copolymer and Propylene Glycol and PVM/MA Copolymer | | | | | 0.2–5.0% |
| Lubrajel** PF hydrogel (Paraben-free version of Lubrajel CG) | Glycerin and Glyceryl Acrylate/Acrylic Acid Copolymer | | | | | 5.0–25.0% |
| Lubrajel** TW hydrogel | Propylene Glycol and Glycerin and Glyceryl Acrylate/Acrylic Acid Copolymer | | | | | 2.0–25.0% |

*Also available in paraben-free version

**Lubrajel and Lubrasil are registered trademarks of United-Guardian, Inc.

| trade name | INCI name | description/ form | structure | features and benefits | applications | use levels |
|--------------------------------|---|----------------------|--|--|---|------------|
| Lubrajel™** WA hydrogel | Propylene Glycol (and) Glycerin (and) Glyceryl Acrylate/Acrylic Acid Copolymer (and) Poloxamer 184 | | | | | 25.0–25.0% |
| Lubrasil™** microemulsion | Glycerin and Glyceryl Acrylate/Acrylic Acid Copolymer and Polysorbate 20 and Cyclopentasiloxane and Propylene Glycol and Dimethiconol | |  | <ul style="list-style-type: none"> superior moisturization imparts an inviting after-feel and slip excellent lubricity, spreadability and emolliency broad formulation compatibility and long shelf life good auxiliary thickening, suspending power and viscosity enhancement water-soluble cold-processable | | 5.0–25.0% |
| Lubrasil** II DM microemulsion | Glycerin (and) Glyceryl Acrylate/Acrylic Acid Copolymer (and) Laureth-23 (and) Dimethicone | Clear gels | Theoretical structure: Glyceryl Acetate/Acrylic Acid Copolymer | | <ul style="list-style-type: none"> hair treatment gels | 2.5–10.0% |
| Lubrasil** II SB microemulsion | Glycerin (and) Glyceryl Acrylate/Acrylic Acid Copolymer (and) Laureth-23 (and) Cyclopentasiloxane (and) Dimethiconol | | | | | 3.0–15.0% |

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encapsulates

| Trade Name | | Size (microns) | INCI | Description / Benefit |
|-----------------------|---|--------------------|---|---|
| Captivates™ HC0001 |  | visible 500 - 700 | Water (Aqua) (and) Butyrospermum Parkii (Shea Butter) (and) Ultramarines (C.I. 77007) (and) Gelatin (and) Acacia Senegal Gum (and) Titanium Dioxide (C.I. 77891) (and) Propylene Glycol (and) Diazolidinyl urea (and) Xanthan Gum (and) Methylparaben (and) Propylparaben | Moisturizing Shea Butter Capsule Blue shea butter capsules. Suitable for emulsions (creams and lotions) but also shower, shampoo, conditioner |
| Captivates HC0002 |  | visible 1250 | Paraffinum Liquidum (and) Water (Aqua) (and) Gelatin (Marine, fish) (and) Acacia Senegal Gum (and) Tocopherol Acetate (and) Prunus Persica (Peach) Kernel Oil (and) Mica (and) Titanium Dioxide (and) Propylene Glycol (and) Xanthan gum (and) Diazolidinyl Urea (and) Methylparaben (and) Propylparaben | Universal Pearl Capsule Pigmented blend of mineral oil, Vitamin E acetate and peach kernel oil. Typical Rinse off capsule |
| Captivates HC0009 |  | visible 1500 | Paraffinum Liquidum (and) Water (Aqua) (and) Gelatin (and) Acacia Senegal gum (and) Propylene Glycol (and) Ethylhexyl Methoxycinnamate (and) Titanium Dioxide (C.I. 77891) (and) Xanthan Gum (and) Mica (C.I. 77019) (and) Phenoxyethanol (and) Methylparaben (and) Tocopherol Acetate (and) Chromium Oxide Greens (C.I. 77288) (and) Green 6 (C.I. 61565) (and) Ferric Ferrocyanide (C.I. 77510) | Green/Blue Iridescent Capsule Contains a microencapsulated, dyed and pigmented blend of mineral oil, vitamin E acetate and Escalol 557 |
| Captivates HC0012 |  | visible 1250 | Water (Aqua) (and) Butyrospermum Parkii (Shea Butter) (and) Gelatin (and) Acacia Senegal Gum (and) Mica (and) Helianthus Annuus (Sunflower) seed oil (and) Titanium Dioxide (and) Phenoxyethanol (and) Xanthan Gum (and) Red 30 (C.I. 73360) (and) Carmine (C.I. 75470) (and) Benzoic Acid (and) Dehydroacetic Acid | Moisturizing Shea Butter Capsule Contains pigmented shea butter. Thin wall. Suitable for leave on and rinse-off |
| Captivates HC4408 |  | visible 750 - 1000 | Water (Aqua) (and) Trimethylsiloxyphenyl Dimethicone (and) Gelatin (and) Acacia Senegal Gum (and) Phenoxyethanol (and) Xanthan Gum (and) Benzoic Acid (and) Dehydroacetic Acid | Hair Shine Bubble Capsule Contains Si-Tec PTM 1000 for hair shine. Colorless capsule looks like air bubbles |
| Captivates GL7833 |  | visible 1300 | Water (Aqua) (and) Bambusa Arundinacea Stem Extract (and) Algin (and) C.I. 77007 (Ultramarines) (and) Phenoxyethanol (and) Caprylyl Glycol (and) Calcium Chloride (and) Chondrus Crispus (Carrageenan) (and) Hydrochloric Acid | Exfoliation Bead Blue bead filled with bamboo. The beads break upon usage and releases the bamboo as scrub particles. Face cleansing and shampoos. Alginate/Agar drop in matrix for shower gels |
| Captivates GL7542 |  | visible 1000 | Water (Aqua) (and) C.I. 77288 Chromium Oxide Green) (and) Algin (and) Calcium Chloride (and) Phenoxyethanol (and) Agar (and) Benzoic Acid (and) Dehydroacetic Acid (and) Sodium Hydroxide | Color Burst Bead Universal Green For use in surfactant systems such as shower gels and shampoos. The beads break during usage and color the foam green. |

encapsulates

| Trade Name | | Size (microns) | INCI | Description / Benefit |
|-----------------------|---|----------------|---|---|
| Captivates™ GL7990 |  | visible 1000 | Water (Aqua) (and) Algin (and) C.I. 73360 (Red 30) (and) Calcium Chloride (and) Gellan Gum (and) Glycerin (and) Phenoxyethanol (and) Caprylyl Glycol (and) PVP | Color Burst Bead Universal Red For use in surfactant systems such as shower gels and shampoos. The beads break during usage and color the foam red. |
| Captivates GL7975 |  | visible 1000 | Water (Aqua) (and) C.I. 77007 (Ultramarines) (and) Algin (and) Calcium Chloride (and) Gellan Gum (and) Phenoxyethanol (and) Caprylyl Glycol (and) Butylated PVP | Color Burst Bead Universal Blue For use in surfactant systems such as shower gels and shampoos. The beads break during usage and color the foam blue. |
| Captivates GL7620 |  | visible 1000 | Water (Aqua) (and) Mica (and) C.I. 77891 (Titanium Dioxide) (and) Phenoxyethanol (and) Caprylyl Glycol (and) Algin (and) Hydroethylcellulose (and) Calcium Chloride (and) Gellan Gum (and) C.I. 73360 (Red 30) (and) Glycerin (and) PVP | Color Shift Bead White bead that transitions to pink on rub out |
| Captivates GL7878 |  | visible 3500 | Water (Aqua) (and) C.I. 77891 (Titanium Dioxide) (and) Algin (and) C.I. 73360 (Red 30) (and) Phenoxyethanol (and) Caprylyl Glycol (and) Chondrus Crispus (Carrageenan) (and) Calcium Chloride (and) Glycerin (and) PVP | Pink Shimmer Bead Releases pink pearlescent shimmer on rub out. |
| Captivates GL7615 |  | visible 1300 | Water (Aqua) (and) Chondrus Crispus (Carrageenan) (and) Phenoxyethanol (and) Agar (and) Mica (and) Potassium Chloride (and) C.I. 77891 (Titanium Dioxide) (and) C.I. 77491 (Iron Oxides) (and) Benzoic Acid (and) Silica (and) Dehydroacetic Acid (and) Xanthan Gum (and) Glucose (and) Tin Oxide | Visual Bead Golden Carrageenan/Agar bead. Softens in hair gels. |
| Captivates GL7661 |  | visible 1300 | Water (Aqua) (and) Algin (and) Mica (and) Agar (and) Calcium Chloride (and) C.I. 77891 (Titanium Dioxide) (and) Phenethyl Alcohol (and) PPG-2 Methyl Ether (and) C.I. 73360 (Red 30) (and) Glycerin (and) Methylisothiazolinone (and) PVP (and) Phenoxyethanol | Visual Bead Pink bead with Carrageenan/Agar drop in matrix, for most shower gels and shampoos. Imparts nice visual effect to the formulation. Purely aesthetics, no functionality |

GLOBAL HEADQUARTERS

Ashland LLC

50 East RiverCenter Blvd.
Covington, KY 41012-0391 U.S.A.
Tel: +1 859 815 3333

REGIONAL CENTERS

Asia Pacific — Singapore

Tel: +65 6775 5366
Shanghai, P.R. China
Tel: +86 21 6090 6606

Europe — Barcelona, Spain

Tel: +34 93 298 0700

Middle East/Africa/India

Turkey

Tel: +90 216 538 08 00

North America — Bridgewater, NJ

Tel: +1 800 505 8984

South America — São Paulo, Brazil

Tel: +55 11 3649 0454

ashland.com/contact

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Footnotes

1 - Patented technology
2 - Patent pending

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