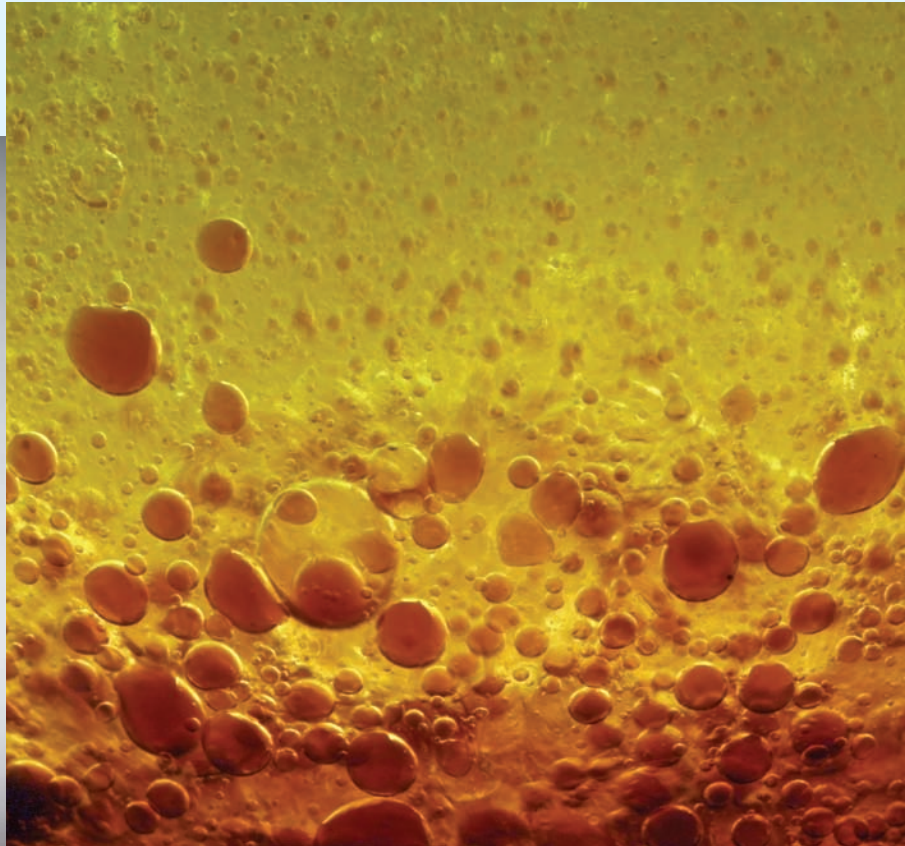


CYTEC



Specialty Additives

AEROSOL[®] Surfactants

Surfactants for Emulsion
Polymerization and
Specialty Applications

AEROSOL Surfactants	Chemical Name	Type & Form (approx. conc.)	Solubility (as is)		Biodegradability	Flash Point °F/°C (setaflash closed cup)
			Water @ 25°C g (as is) /100ml	Organic Solvent		
Diester Sulfosuccinates						
TR-70	Sodium bistridecyl sulfosuccinate	Anionic 70% solution in ethanol and water	0.1	Very Soluble	Not readily Biodegradable ₂	77 / 25
TR-70 HG	Sodium bistridecyl sulfosuccinate	Anionic 70% solution in hexylene glycol and water	0.1	Very Soluble	Not readily Biodegradable ₂	>212 / >100
TR-60 I	Sodium bistridecyl sulfosuccinate	Anionic 60% solution in isopropanol and water	0.1	Very Soluble	Not readily Biodegradable ₂	91 / 33
OT-75	Sodium dioctyl sulfosuccinate	Anionic 75% solution in ethanol and water	2.0	Very Soluble	Readily Biodegradable ₁	85 / 29
OT-75 E OPV	Sodium dioctyl sulfosuccinate	Anionic 75% solution in ethanol and water	2.0	Very Soluble	Readily Biodegradable ₁	85 / 29
GPG	Sodium dioctyl sulfosuccinate	Anionic 70% solution in ethanol and water	2.2	Very Soluble	Readily Biodegradable ₁	81 / 27
OT-70 PG	Sodium dioctyl sulfosuccinate	Anionic 70% solution in propylene glycol and water	2.2	Very Soluble	Readily Biodegradable ₁	>212 / >100
OT-70 PG OPV	Sodium dioctyl sulfosuccinate	Anionic 70% solution in propylene glycol and water	2.2	Very Soluble	Readily Biodegradable ₁	>212 / >100
OT-75 PG	Sodium dioctyl sulfosuccinate	Anionic 75% solution in propylene glycol and water	2.0	Very Soluble	Readily Biodegradable _#	>212 / >100
OT-N	Sodium dioctyl sulfosuccinate	Anionic 70% solution in mixed solvent and water	2.0	Very Soluble	Readily Biodegradable _#	103 / 39
OT-100	Sodium dioctyl sulfosuccinate	Anionic 100% waxy solid	1.5	Very Soluble	Readily Biodegradable ₁	Not Applicable
OT-B	Sodium dioctyl sulfosuccinate	Anionic 85% powder in 15% sodium benzoate	1.0	Partially Soluble	Readily Biodegradable ₁	Not Applicable
OT-A	Sodium dioctyl sulfosuccinate	Anionic 70% solution in Solvesso 150 ****	–	Very Soluble	Readily Biodegradable ₁	158 / 70
OT-S	Sodium dioctyl sulfosuccinate	Anionic 70% solution in light petroleum distillate	–	Very Soluble	Readily Biodegradable ₁	131 / 55
OT-SE	Sodium dioctyl sulfosuccinate	Anionic 70% solution in light petroleum distillate	–	Very Soluble	Readily Biodegradable _#	169 / 76
OT-85 AE	Proprietary sulfosuccinate blend	Anionic 85% solution in water	2.0	Very Soluble	Readily Biodegradable ₁	>212 / >100

Surface Tension in Water (min. mN/m)**	Ca Tolerance ppm CaCO ₃ at 0.5%	CMC %/wt**	Features & Benefits
27	<60***	0.001	Extremely hydrophobic surfactant with excellent solubility in organic media, as well as very low critical micelle concentration and equilibrium surface tension. High oil solubility and limited water solubility. Imparts some surface water resistance in coatings and films.
27	<60***	0.001	High flash point analogue of AEROSOL TR-70 in hexylene glycol and water. Same features and benefits as AEROSOL TR-70.
27	<60***	0.001	General purpose grade of AEROSOL TR-70, commonly used in ePVC polymerizations.
26	540	0.12	Excellent wetting, rewetting and levelling agent. Also good emulsifying and dispersing properties. Has very low dynamic surface tension, and migrates to interfaces very rapidly. Used to reduce surface tension and to increase absorbency and penetration. AEROSOL OT also has some antistatic and softening properties.
26	540	0.12	Low DEHM (Diethylhexyl maleate) content specifically for over print varnish (OPV) applications.
26	540	0.12	General purpose grade of AEROSOL OT-75.
26	540	0.12	High flash point analogue of AEROSOL OT-75 in propylene glycol and water. Same features and benefits as AEROSOL OT-75.
26	540	0.12	Low DEHM (Diethylhexyl maleate) content specifically for OPV applications.
26	540	0.12	Higher solids version of AEROSOL OT-70 PG.
26	540	0.12	Solution of AEROSOL OT in a mixed glycol free solvent system. Giving a higher flash point than AEROSOL OT-75.
26	540	0.12	Solid version of AEROSOL OT. For use when no water can be tolerated. Same features and benefits as AEROSOL OT-75.
26	540	0.12	Powder version of AEROSOL OT that is easier to handle than the AEROSOL OT-100. A good pigment dispersant giving superior color in plastics.
28	540	0.12	Solution of AEROSOL OT in an aromatic solvent. Same features and benefits as AEROSOL OT-75. Suitable for organic, oil based systems that can not tolerate water. Used in Agrochemical formulations.
26	540	0.12	Solution of AEROSOL OT in high purity petroleum distillate. Superior detergent for oily stains. Used in organic, oil based systems.
26	540	0.12	Solution of AEROSOL OT in high purity petroleum distillate. Superior detergent for oily stains. Used in organic, oil based systems. Higher flash point grade used in oil spill dispersants.
29	>2250	0.02	Low VOC and high solids version of AEROSOL OT. Same features and benefits as AEROSOL OT-75. Allows a lower coalescing agent requirement in formulations.

* AEROSOL 22N is the European version of this product
 ** KRUSS -K12
 *** Calcium Tolerance at 0.05% for AEROSOL TR products and 0.25% for AEROSOL WA-300
 **** Aromatic Solvent from Exxon
 Methods for assessment of biodegradation:
 1: 301A DOC (dissolved organic carbon) die-away test
 2: 301B Modified Sturm test
 3: 301D Closed Bottle test
 4: 301E Modified OECD screening
 5: 302B: Zahn Wellens Inherent #: Based on evaluation of components

N.B. Not all products may be offered for sale in all regions, please check with your local Sales Manager.
 N.B. The E suffix on paperwork such as Labels and MSDS's denotes material produced in Europe.

AEROSOL Surfactants	Chemical Name	Type & Form (approx. conc.)	Solubility (as is)		Biodegradability	Flash Point °F/°C (setaflash closed cup)
			Water @ 25°C g (as is) /100ml	Organic Solvent		
Diester Sulfosuccinates (continued)						
OT-NV	Proprietary sulfosuccinate blend	Anionic 85% solution in water	2.5	Very Soluble	Readily Biodegradable _#	>212 / >100
LF-4	Proprietary sulfosuccinate blend	Anionic 80% solution in isopropanol and water	10	Soluble	Not readily Biodegradable ₃	110 / 43
WA-300	Proprietary sulfosuccinate blend	Anionic 75% solution in propylene glycol and water	2.5	Soluble	Readily Biodegradable ₁	>212 / >100
MA-80	Sodium dihexyl sulfosuccinate	Anionic 80% solution in ethanol and water	34	Soluble	Not readily Biodegradable ₄	97 / 36
MA-80 I	Sodium dihexyl sulfosuccinate	Anionic 80% solution in isopropanol and water	34	Soluble	Not readily Biodegradable ₄	101 / 38
A-196 40	Sodium dicyclohexyl sulfosuccinate	Anionic 40% solution in water	25	Soluble warm	Not readily Biodegradable ₄	>212 / >100
A-196 97	Sodium dicyclohexyl sulfosuccinate	Anionic 97% flaky solid	10	Soluble warm	Not readily Biodegradable ₄	Not Applicable
AY-65	Sodium diamyl sulfosuccinate	Anionic 65% solution in ethanol and water	62	Insoluble	Readily Biodegradable _#	77 / 25
AY-100	Sodium diamyl sulfosuccinate	Anionic 100% waxy solid	40	Soluble	Readily Biodegradable _#	Not Applicable
IB-45	Sodium diisobutyl sulfosuccinate	Anionic 45% solution in water	Infinite	Insoluble	Not readily Biodegradable ₄	>212 / >100
Alkylamine-Guanidine Ethoxylate						
C-61	Alkylamine-guanidine polyoxyethanol	Cationic 70% viscous solution in isopropanol, ethylene glycol and water	Forms Dispersions	Soluble in the presence of alcohol	Not readily Biodegradable ₃	85 / 29

Surface Tension in Water (min. mN/m)**	Ca Tolerance ppm CaCO ₃ at 0.5%	CMC %/wt**	Features & Benefits
29	>1000	0.02	Low VOC and high solids version of AEROSOL OT. Same features and benefits as AEROSOL OT-75.
24	>2250	0.02	Wetting, dispersing, levelling, and emulsifying agent specially designed for applications requiring good dynamic wetting with low and unstable foam generation.
24	500***	0.02	Excellent wetting agent designed for use in the production of pressure sensitive adhesives (PSA). Product is functional at low concentrations and has a high flash point.
28	700	1.5	Good dynamic wetting properties with unstable foam generation. Emulsifying, dispersing and solubilizing agent. High electrolyte stability.
28	700	1.5	Good dynamic wetting properties with unstable foam generation. Emulsifying, dispersing and solubilizing agent. High electrolyte stability.
38	>2250	3.0	Imparts high surface tension, high filler loading capacity, good mechanical stability and reduced water sensitivity. Excellent low foaming surfactant. Produces dispersions with excellent electrolytic stability. Liquid at approximately 40°C.
38	>2250	3.0	Flaky solid form of AEROSOL A-196 40 with same features and benefits.
30	>1125	1.8	Wetting and dispersing agent for hydrophilic systems. Imparts good electrolytic and mechanical stability. It has a high tolerance for electrolytes.
30	>1125	1.8	Solid version of AEROSOL AY-65 used in water free systems. Same features and benefits as AEROSOL AY-65.
30	>2250	3.5	Very hydrophilic surfactant which is an extremely efficient wetting agent in high concentrations of electrolytes. Imparts good electrolytic and mechanical stability and reasonably high surface tension.
40	>2250	0.05	Combines cationic and non-ionic features. Good wetting, dispersing and flushing agent. Allows anionic systems to be compatible with cationic systems. Excellent acid and alkali stability.

* AEROSOL 22N is the European version of this product
 ** KRUSS -K12
 *** Calcium Tolerance at 0.05% for AEROSOL TR products and 0.25% for AEROSOL WA-300
 **** Aromatic Solvent from Exxon

Methods for assessment of biodegradation:
 1: 301A DOC (dissolved organic carbon) die-away test
 2: 301B Modified Sturm test
 3: 301D Closed Bottle test
 4: 301E Modified OECD screening
 5: 302B: Zahn Wellens Inherent
 #: Based on evaluation of components

N.B. Not all products may be offered for sale in all regions, please check with your local Sales Manager.
 N.B. The E suffix on paperwork such as Labels and MSDS's denotes material produced in Europe.

AEROSOL Surfactants	Chemical Name	Type & Form (approx. conc.)	Solubility (as is)		Biodegradability	Flash Point °F/°C (setaflash closed cup)
			Water @ 25°C g (as is) /100ml	Organic Solvent		
Mono-ester Sulfosuccinates						
EF-800	Proprietary sulfosuccinate composition	Anionic 50% solution in water	Infinite	Insoluble	Inherently Biodegradable ₅	>212 / >100
EF-810	Proprietary sulfosuccinate composition	Anionic 30% solution in water	Infinite	Insoluble	Inherently Biodegradable ₅	>212 / >100
A-102	Disodium ethoxylated alcohol half ester of Sulfosuccinic acid	Anionic 31% solution in water	Infinite	Sparingly soluble in polar solvents	Readily Biodegradable ₃	>212 / >100
A-103	Disodium ethoxylated nonyl phenol half ester of Sulfosuccinic acid	Anionic 34% solution in water	Infinite	Partially soluble in polar solvents	Not readily Biodegradable ₄	>212 / >100
A-501	Proprietary sulfosuccinate composition	Anionic 50% solution in water	Infinite	Insoluble	Not readily Biodegradable ₄	>212 / >100
Sulfosuccinamates						
18 P	Disodium N-octadecyl sulfosuccinamate	Anionic 30% semi-paste in water	18 at 40°C	Insoluble	Readily Biodegradable ₂	195 / 91
22 / 22N*	Tetra sodium N-(1,2 dicarboxy ethyl)- N-octadecyl sulfosuccinamate	Anionic 35% solution in water with ethanol/methanol residuals	Infinite	Insoluble	Not readily Biodegradable _#	129 / 54 156 / 70
22 Special	Tetra sodium N-(1,2 dicarboxy ethyl)- N-octadec(en)yl sulfosuccinamate	Anionic 35% solution in ethanol and water	Infinite	Insoluble	Not readily Biodegradable _#	129 / 54
Nonyl Phenol Ether Sulfates						
NPES-458	Ammonium salt of sulfated nonylphenoxy poly (ethyleneoxy) ethanol	Anionic 58% solution in ethanol and water	Infinite	Partially soluble	Not readily Biodegradable	83 / 28
NPES-930 P	Ammonium salt of sulfated nonylphenoxy poly (ethyleneoxy) ethanol	Anionic 30% solution in water	Infinite	Insoluble	Not readily Biodegradable _#	>212 / >100
Dodecyl Diphenyl Oxide Sulfonate						
DPOS-45	Disodium mono and didodecyl diphenyl oxide disulfonate	Anionic 45% solution in water	Infinite	Insoluble	Not readily Biodegradable	>212 / >100
Alkyl Naphthalene Sulfonate						
OS	Sodium diisopropyl naphthalene sulfonate	Anionic 75% powder in sodium sulfate	>20	Partially soluble	Not readily Biodegradable _#	Not Applicable

* AEROSOL 22N is the European version of this product
 ** KRUSS -K12
 *** Calcium Tolerance at 0.05% for AEROSOL TR products and 0.25% for AEROSOL WA-300
 **** Aromatic Solvent from Exxon

Methods for assessment of biodegradation:
 1: 301A DOC (dissolved organic carbon) die-away test

2: 301B Modified Sturm test
 3: 301D Closed Bottle test
 4: 301E Modified OECD screening

5: 302B: Zahn Wellens Inherent
 #: Based on evaluation of components

Surface Tension in Water (min. mN/m)**	Ca Tolerance ppm CaCO ₃ at 0.5%	CMC%/wt**	Features & Benefits
31	>2250	0.03	Versatile, APE free, primary or sole emulsifier enabling easy design of new latexes while meeting regulatory requirements. Can reduce the number of raw material required, simplifying formulations. Also highly effective, functioning at low concentrations. High tolerance for water-sensitive monomers.
31	>2250	0.03	Versatile, APE free primary or sole emulsifier. Highly effective, functions at low concentrations, making it extremely cost effective. The product imparts outstanding pre-emulsion stability, giving robust reaction kinetics, high conversions and minimizes final latex grit and coagulum in emulsion polymerization reactions. High tolerance for water-sensitive monomers.
29	>2250	0.1	Excellent APE free primary emulsifier for acrylic, styrene acrylic, vinyl acrylic and EVA latexes. Imparts both steric and charge stabilization giving systems with very good electrolytic and mechanical stability. Excellent acid stability and low surface and interfacial tension values make it a useful stabilizer/dispersant in a variety of aqueous systems. Good tolerance for cationic surfactants and polyvalent cations. Non-dermatitic.
34	>2250	0.01	Excellent primary emulsifier for acrylic, styrene acrylic and vinyl acrylic latexes especially high gloss systems. Imparts both steric and charge stabilization giving systems with very good electrolytic and mechanical stability. Outstanding compatibility with divalent and trivalent cations as well as quaternary ammonium surfactants. Non-dermatitic.
28	>2250	0.03	Emulsifier for generation of small particle size acrylic latexes. Also dispersing and wetting agent.
40	102	0.06	Emulsifying, dispersing, and foaming agent exhibiting good stability in acid and alkali solutions. Also has excellent lubricating properties.
36	200	0.04	Surfactant combining high hydrophilic and hydrophobic moieties with excellent acid and alkali compatibility. Emulsifier, dispersant and hydrotrope solubilizer. Non-dermatitic.
36	200	0.04	Same as for AEROSOL 22 but can have some additional grafting properties.
30	>2250	0.02	High foaming surfactant, also used as an emulsifier.
31	>2250	0.02	Emulsifier which is effective at low usage levels.
34	>2250	0.03	Wetting, dispersing, emulsifying and solubilizing agent which exhibits high electrolyte and calcium tolerance. It is extremely stable in both highly acidic and alkaline conditions as well as elevated temperatures. Very effective coupling and hydrotrope agent.
35	>2250	1.0	Stable wetting and dispersing agent in relatively high concentrations of acid or alkali. Highly effective in the manufacture of wettable powders.

N.B. Not all products may be offered for sale in all regions, please check with your local Sales Manager.
 N.B. The E suffix on paperwork such as Labels and MSDS's denotes material produced in Europe.

AEROSOL Surfactants	Emulsion Polymer Applications	Other Applications
Diester Sulfosuccinates		
TR-70	Used as an emulsifier in acrylic, styrene acrylic and vinyl systems. In vinyl systems it modifies surface active properties which can make the finished film water resistant. It has an excellent synergy with primary emulsifiers to generate and stabilize fine latex dispersions as well as improving pre-emulsion stability in all acrylic and styrene acrylic systems.	Highly hydrophobic wetting agent. Dispersing agent for resins, pigments, polymers and dyes in organic systems. Particularly effective in flushing pigments from aqueous press cakes to solvent media. Used for the preparation of printing inks, rust inhibitors and anti-misting coatings. Dispersing dyes and pigments into plastics.
TR-70 HG		
TR-60 I	A version of AEROSOL TR designed specifically for VCM polymerization. Due to its hydrophobic nature it stabilizes the VCM droplet very well. Offering the opportunity to generate bimodal and high solid latexes by allowing secondary nucleation. Polymer can be easily recovered.	–
OT-75	Used in a wide variety of emulsion and suspension polymerizations as a primary or co-emulsifier. It can produce latexes with low levels of coagulum, very low particle size and a narrow distribution. As a post additive it lowers surface tension, improving flow and levelling characteristics.	Wetting and levelling agent for a wide range of industries: inks and OPV's, paint, adhesives, textile, paper, petroleum, rubber, metal, plastic, agricultural, mining, detergent compounding. Additionally used as de-watering aid, hydrophobic resin dispersant, and mould-release agent.
OT-75 E OPV	–	Specifically for OPV applications, ultra low levels of diethyl hexyl maleate (DEHM).
GPG	–	Used by a variety of industries as a wetting agent, e.g. in fire fighting foams, dust control, lubricants and coolants, degreasing, dry cleaning, cleaning solutions for glass etc.
OT-70 PG	A high flash point version of AEROSOL OT	Same uses as for AEROSOL OT-75 but when a higher flash point is required. Compatible in paint formulations. Used in oil spill dispersants.
OT-70 PG OPV	–	Specifically for OPV applications, ultra low levels of diethyl hexyl maleate (DEHM).
OT-75 PG	A high flash point version of AEROSOL OT	Same uses as for AEROSOL OT-75 but when a higher flash point is required. Compatible in paint formulations. Used in oil spill dispersants.
OT-N	–	Same as AEROSOL OT-75.
OT-100	–	Used in solvent and non-aqueous systems. Mould release for poly methyl methacrylate (PMMA). Used in inks, photographic products, dyes, textile, leather, scintillation fluid, agrochemical applications and fibre production. Wetting agent and antistat for polyethylene manufacture. Dispersing aid for dyes and pigments in plastics such as polyethylene and polypropylene.
OT-B	–	Used in agrochemicals for wettable powders and water dispersible granules. Dispersant for pigments and dyes in polyethylene, polypropylene and other plastics.

AEROSOL Surfactants	Emulsion Polymer Applications	Other Applications
Diester Sulfosuccinates (continued)		
OT-A	–	Used in agrochemical formulations, where it wets out active ingredients aiding their spread on to and penetration of the plant structure.
OT-S	–	Very compatible and effective as a wetting/solubilizing/dispersing agent in a wide variety of organic/hydrocarbon/oil-based systems. Designed for instant solubility in all organic systems, such as rust inhibitors, degreasers, lubricants, dry cleaning solvents, pre-wash spot removers. Also used as a wetting and dispersing agent in plastics, lacquers and varnishes. Used in oil spill dispersants. Wetting and antistat agent for polyethylene manufacture.
OT-SE		
OT-85 AE		
OT-NV	Primary or co-emulsifier for a wide variety of latex types for effective small particle generation at low usage levels.	Used in low VOC systems as a wetting agent, emulsifier and dispersant. Low surface tension and rapid dynamic wetting for a range of applications including printing inks, OPV's, paint, coatings, textiles and all types of cleaning formulations.
LF-4	Co-emulsifier to enhance wetting properties of a dispersion with limited foam generation. Produces low surface tension latexes for adhesives, paints, floor polishes, printing inks etc. Reduces or eliminates the need for post-addition of wetting agents to latexes.	Post addition wetting agent for OPV's, printing inks, paints, textile, paper, adhesives and coating applications. Gives excellent wetting and low foam. Also gives improved adhesion, gloss and color resolution.
WA-300	Co-emulsifier providing enhanced stability and wetting properties of latex. Also reduces the need for non-ionic co-surfactants.	Post addition wetting and levelling agent for PSA applications.
MA-80	Effective in all monomer systems. Yields complete conversion, coagulum-free latexes with good mechanical stability. Imparts good adhesion on porous substrates. Polymer can be easily recovered. Also reduces the need for non-ionic co-surfactants.	Wetting agent for OPV's, PSA's, paints, inks, textiles, battery separators, strong electrolyte solutions, electroplating, leaching operations etc.
MA-80 I		
A-196 40	Emulsifier for modified styrene-butadiene and styrene-acrylic latexes. Unsurpassed for manufacturing styrene butadiene latexes. Imparts excellent water resistance and adhesion. Produces high surface tension latexes with good mechanical stability and high filler loading capacity. Imparts good adhesion of deposited film to its substrate.	Excellent low foaming surfactant. Produces dispersions with excellent electrolytic stability.
A-196 97		
AY-65		
AY-100	Surfactant for emulsion polymerization systems, especially where polymer recovery is desirable.	Extremely effective wetting agent in concentrated salt solutions. Used in electroplating as a wetting and dispersing agent. Additive for agricultural chemical applications. Effective dispersant for hydrophilic resins and pigments. Very effective wetting agent for leather coatings.
IB-45	Used in emulsion polymerization and stabilization of styrene, styrene butadiene and other styrene based systems. Imparts high surface tension and good mechanical stability to latexes.	Extremely stable in concentrated electrolyte solutions for leaching, wetting, electroplating and dispersion applications. Highly hydrophilic surfactant.

AEROSOL Surfactants	Emulsion Polymer Applications	Other Applications
Alkylamine-Guanidine Ethoxylate		
C-61	—	Cationic dispersing and fixing agent for pigments, dyes and fillers. Emulsifying agent used alone or with AEROSOL OT. Used in the manufacturing of glass fiber matting. Softening agent for textiles. Used in acid or alkali cleaning formulations.
Mono-ester Sulfosuccinates		
EF-800	APE free primary or sole emulsifier for acrylic, vinyl acrylic, styrene acrylic and styrene butadiene latex systems. High tolerance for water-sensitive monomers facilitates easy development of high performance systems. Yields high solids/low viscosity latexes, enabling solids > 60% in final latexes. Yields excellent mechanical, electrolytic and freeze/thaw stability, low coagulum and grit, hence increasing operational efficiencies. Produces latex films with high optical clarity and excellent heat stability.	APE free surfactant for variety of industries providing excellent emulsification, low surface tension and good stability.
EF-810	APE free primary or sole emulsifier for acrylic, vinyl acrylic, styrene acrylic and styrene butadiene latex systems. High tolerance for water-sensitive monomers facilitates easy development of high performance systems. Yields high solids/low viscosity latexes, enabling solids >60% in final latexes. Excellent pre-emulsion stability giving increased manufacturing flexibility. Also produces latexes with excellent mechanical, electrolytic and freeze/thaw stability, low coagulum and grit hence increasing operational efficiencies. Produces latex films with high optical clarity and excellent heat stability.	APE free surfactant for variety of industries providing excellent emulsification, low surface tension and good stability.
A-102	APE free primary emulsifier for acrylic, vinyl acrylic, styrene acrylic and EVA latexes. Can be used with N-methylolacrylamide without modifying performance requirements. Generates small to intermediate particle size emulsions, effective as a post stabilizer. Provides good adhesion in combination with AEROSOL MA-80 and 22. Gives low-coagulum levels, clear film formation and resistance to yellowing on heating. Films also have good water resistance.	Surfactant or foaming agent for personal care and cleaning applications, suitable for use in shampoos, bath and shower gels as well as germicidal cleaners. Additionally used in foaming cement, wallboard and adhesives. Also a good solubilizer and dispersant for medium HLB resin systems and other aqueous systems.
A-103	Used in emulsion polymerization as either the sole or primary emulsifier for the preparation of high gloss vinyl acetate and acrylic latexes. Produces small particle size emulsions with good film clarity as well as mechanical stability. Can be used with AEROSOLs 22, MA-80 and A-102 to modify particle size. Gives good water resistance of the latex film and is resistant to yellowing on heating. Effective as a post-additive stabilizer.	Surfactant or foaming agent for personal care and cleaning applications, suitable for use in shampoos, bath and shower gels as well as germicidal cleaners. Additionally used in foaming cement, wallboard and adhesives. Also a good solubilizer and dispersant for medium HLB resin systems.
A-501	Used in emulsion polymerization of acrylic systems especially at low surfactant concentrations. High tolerance for water soluble monomers. Yields high solids/low viscosity latexes with freeze/thaw stability, mechanical stability and high optical clarity.	Provides low surface tension and good stability in printing ink, textile and paper applications. Used in the production of fire fighting foams.

AEROSOL Surfactants	Emulsion Polymer Applications	Other Applications
Sulfosuccinamates		
18-P	Imparts excellent rheological properties to pigmented latexes. Used in emulsion and suspension polymerizations. Foaming agent for latexes especially in carpet backing and textile applications.	Used as a foaming agent in foamed insulation, carpet backing, cement, wall board and resins. Excellent stability in acid and alkali solutions so also used in cleaning formulations and lubricants.
22/22N	Imparts small particle size for all latexes except vinyl acetate. In combination with AEROSOLs MA-80 or A-102 produces highly stable high solids latexes. Excellent as a post-additive for mechanical stabilization, especially in paint applications giving high water resistance. Imparts excellent rheological properties in pigmented latexes.	Excellent pigment dispersant. Used in agrochemical formulations, industrial, household and metal cleaners. Excellent solubilizing agent for soaps and other surfactants in soluble salt solutions. Excellent lime soap dispersant.
22 Special	Same as for AEROSOL 22 but can have some additional grafting properties.	—
Nonyl Phenol Ether Sulfates		
NPES-458	Emulsion polymerization of vinyl acetate, acrylic and styrene acrylic systems giving very small particle size emulsions.	Used in textile scouring agents and detergents. Also used in iodine based germicidal cleaners.
NPES-930 P	Produces very fine particle size vinyl acetate, acrylic and styrene acrylic latexes with low levels of coagulum and good mechanical stability. Latexes also have good freeze/thaw stability. Superior emulsifier for Zn cross-linking latexes for floor finishes. Extremely low surfactant levels needed that result in superior water resistance and high optical clarity.	Used in detergents and rosin dispersions.
Dodecyl Diphenyl Oxide Sulfonate		
DPOS-45	A very versatile surfactant for use in emulsion polymerization of styrene butadiene, poly-vinyl chloride, poly-vinyl acetate, acrylic and styrene acrylic latexes. Imparts excellent mechanical, thermal and electrolyte stability, low-coagulum and small particles with a narrow distribution to latexes. In addition enhances solubility of less soluble components. Can operate at higher temperatures without loss of surface activity.	Exhibits high electrolyte tolerance in cleaning and agrochemical formulations. Extremely stable in both highly acid and alkali solutions and at elevated temperatures. Efficient as a dye levelling agent. A coupling agent that is effective as a lime soap dispersant.
Alkyl Naphthalene Sulfonate		
OS	Surfactant for emulsion polymerization and additive for latexes.	Dispersant for pigments and dyes in paints and plastics. Used in agrochemical wettable and dispersible powders. Used in metal cleaning, bottle washing, paint strippers, brick and tile cleaning, pickling, acid etching agents and hard surface cleaners due to its excellent acid and alkali stability.

With its 75-year history in the development of sulfosuccinate surfactant technology, Cytec has built a leadership position in the research, product development and application of these products, offering customers these unique advantages:

- Dedicated technology team addressing unmet market needs, such as environmentally friendly products, low VOC options, improved wetting and enhanced water resistance.
- Regional Technical Service Centers located in Asia, Europe and North America with expertise in emulsion polymerization and post-addition applications.
- Global manufacturing footprint with ISO 9002 certification in North America, Europe and Asia.
- The highest product quality and consistency in the market.

• Email: custinfo@cytec.com Worldwide Contact Info: www.cytec.com US Toll Free 800-652-6013 Tel 973-357-3193 •

Cytec Industries Inc. in its own name and on behalf of its affiliated companies (collectively, "Cytec") decline any liability with respect to the use made by anyone of the information contained herein. The information contained herein represents Cytec's best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, regarding the accuracy, the completeness or relevance of the data set out herein). Cytec is the sole owner or authorized user of the intellectual property rights relating to the information communicated. The information relating to the use of the products is given for information purposes only. No guarantee or warranty is provided that the product is adapted for any specific use. The user or purchaser should perform its own tests to determine the suitability for a particular purpose. The final choice of use of a product remains the sole responsibility of the user.

© 2010 Cytec Industries Inc. All rights reserved.

TRADEMARK NOTICE: The ® indicates a Registered Trademark in the United States and the ™ or * indicates a Trademark in the United States. The mark may also be registered, the subject of an application for registration or a trademark in other countries.

PRT-046-N-EN-WWW-10B