



devine   
CHEMICALS  
the speciality chemicals company

# Polyacrylates and Additives



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Industries served - Coatings, Paint, Ink, Adhesives, Construction, Textile, Cosmetic, HI&I, Agriculture, Ceramic, Leather, Mining, Oilfield



## ALKALI SWELLABLE THICKENERS FOR AQUEOUS SYSTEMS

|            |  |
|------------|--|
| DeCAL-1000 | Thickener for polishes, adhesives, cleaners and high build spray applied coatings  |
| DeCAL-1015 | Adhesives, latex compounds and rubber dispersions  |
| DeCAL-1031 | Low cost, thixotropic rheology modifier for ceramic tile adhesives, textured finishes, machine applied textiled coatings |

## ASSOCIATIVE THICKENERS FOR AQUEOUS SYSTEMS

|            |  |
|------------|--|
| DeCAL-1104 | Medium to high shear viscosity control, anti-splatter, improved flow, sag/settling resistance in deco paints         |
| DeCAL-1107 | High viscosity thickener for paints and adhesives, anti-settlement, superior tooling in sealants, sprayable coatings |

## LIQUID DISPERSION POLYMER THICKENERS FOR AQUEOUS SYSTEMS

|                     |   |
|---------------------|---|
| DeCAL-1200          | Improved electrolyte tolerant thickener in paints, coatings and adhesives, thickens at pH 4 - 14, eliminates the need for neutralising agents |
| DeCAL-1201 (powder) | Water and/or powder blends, concrete admixtures, cement grouts, adhesives, anti-sag, effective at pH 4 - 11, stable viscosity at high pH      |
| DeCAL-1208          | Easily dispersed ammonium salt for water resistant tile adhesives and grouts  |
| DeCAL-1209          | High efficiency grade, active at pH 4 - 11, close to DeCAL 1208 but sodium salt   |

## CATIONIC THICKENERS FOR AQUEOUS SYSTEMS

|            |   |
|------------|---|
| DeCAL-1803 | Thickening rinse conditioners, acidic hard surface cleaners, cationic paints/coatings |
| DeCAL-1805 | Thickening strong acids, high viscosity, salt tolerant, cationic paint/coatings       |

## NON-AQUEOUS THICKENER

|            |  |
|------------|--|
| DeCAL-1900 | Novel polymer emulsion suitable for thickening non-aqueous liquids including hydrocarbon based solvents such as kerosene and mineral oil |
|------------|--|

## DISPERSING AGENTS FOR AQUEOUS SYSTEMS

|             |  |
|-------------|--|
| DeCAL-2031  | Problem solving dispersant for agrochemicals, suspoemulsions, scale inhibitor, construction pigments and coatings                        |
| DeCAL-2040E | Sodium polyacrylate, low cost for inorganic fillers and pigments. Coatings/paints/inks, agrochemical, adhesives, textiles and ceramics   |
| DeCAL-2041L | Ammonium polyacrylate, low cost for inorganic fillers and pigments. Coatings/paints/inks, agrochemical, adhesives, textiles and ceramics |
| DeCAL-2042  | Sodium salt of acrylic copolymer water resistant ceramic tile adhesives (ammonia free), water based gloss paints, glycol compatibility   |
| DeCAL-2043  | Ammonium salt of acrylic copolymer water resistant ceramic tile adhesives, water based gloss paints, glycol compatibility                |
| DeCAL-2045  | Hydrophobic pigment dispersant for water resistant systems. Also excellent with reactive pigments e.g. Zinc Oxide, rubber chemicals      |
| DeCAL-2046  | Efficient dispersant for waterborne coatings and inks. Also improves in-can stability  |

## DISPERSING AGENTS FOR AQUEOUS SYSTEMS (CONTINUED)

|                     |   |
|---------------------|---|
| DeCAL-2048          | Coatings applications, textiles, oilfield - Iron Oxide dispersions  |
| DeCAL-2075          | Low temperature flowable, application in coatings, agrochemical, textiles, construction and oilfield. Superplasticiser for concrete/mortar/grouts |
| DeCAL-2076          | Tailored molecular weight for dispersing Kaolin - paper, agro, paint sectors  |
| DeCAL-2077          | Tailored molecular weight for dispersing Calcium Carbonate - paper, agro, paint sectors   |
| DeCAL-2078 (powder) | Sodium polyacrylate in powder form - dispersant and superplasticiser  |

## SUPERPLASTICISERS - WATER REDUCERS/FLOW ADDITIVES/FLUIDISERS FOR GYPSUM

|                      |   |
|----------------------|---|
| DeCAL-2094+ (powder) | High range water reducer/superplasticiser - self-levelling compounds/underlayments, adhesives, plasters, grouts and concretes - superior flow     |
| DeCAL-2095 (powder)  | High range water reducer/superplasticiser - self-levelling compounds/underlayments, adhesives, grouts and concretes - improved surface smoothness |
| DeCAL-2097+          | Extremely high efficiency water reducer/superplasticiser - excellent for pre-cast and ready mix concrete  |
| DeCAL-2098           | High range water reducer/superplasticiser - fast set applications, anti-shrink  |

## SUPERPLASTICISERS - THIRD GENERATION

|                      |   |
|----------------------|---|
| DeCAL-20713 (liquid) | New generation high range water reducer/superplasticiser. Excellent slump flow retention, high early and final strength. Pumpable concrete/higher flow products |
| DeCAL-20715 (liquid) | New generation high range water reducer/superplasticiser. Excellent slump flow retention, high early and final strength. Pumpable concrete/higher flow products |

## SURFACTANTS/WETTING AGENTS/EMULSIFIERS

|              |  |
|--------------|--|
| DeCAL-2158   | Ethoxylated phosphate ester wetting agent, dispersant, flash rust inhibitor, co-dispersant, color acceptance correction              |
| DeCAL-2159   | Ethoxylated phosphate ester wetting agent, dispersant, flash rust inhibitor, co-dispersant, color acceptance correction - lower foam |
| DeCAL-2165   | Surface wetting, low foam, co-dispersant, low cost color acceptance, timber treatments   |
| DeCAL-2170/B | High surface wetting detergency, pigment dispersion for agro, paint, coatings, timber treatment                                      |
| DeMUL-T60    | Dispersant/stabiliser for rubber chemicals - Sulfur, antioxidant   |
| DeMUL-175    | Powder wetting agent, rubber chemicals, antioxidant  |
| DeMUL-040    | Silicone-free surface active flow additive and color acceptance improver for aqueous systems   |

## ACRYLIC EMULSIONS

|              |  |
|--------------|--|
| DeCAL-4002HC | Thermosetting acrylic emulsion (46% solids). Textile binder - good handle  |
| DeCAL-4003   | Thermosetting acrylic emulsion (45% solids). Textiles, non-woven, industrial coatings, vertical blinds.                          |
| DeCAL-4005   | Thermosetting acrylic emulsion (45% solids). Textiles, non-woven, industrial coatings, high chemical resistance, vertical blinds |
| DeCAL-4030   | Styrene/acrylic interior-exterior for paint, flexible fillers and sealants   |
| DeCAL-4214   | Ink transfer additive  |
| DeCAL-4286   | Pigment grinding medium and let down vehicle for waterborne flexo inks   |

## NON-SILICONE DEFOAMERS FOR AQUEOUS SYSTEMS

|                        |  |
|------------------------|--|
| DeCAL-5013             | Emulsion paints, polymers, inks and adhesives  |
| DeCAL-5018             | Water based paints, adhesives and polymer latex systems  |
| DeCAL-5032             | High PVC paint, adhesives, good with PVA polymers  |
| DeCAL-5040             | Cost effective water induced mineral oil defoamer, highly effective in adhesives                           |
| DeCAL-5044             | Emulsion paints, paper coatings and adhesives. High pH and temperature resistance                          |
| DeCAL-5045             | Like DeCAL 5040 but lower supply viscosity   |
| DeCAL-5052             | Universal defoamer with a wide range of applications   |
| DeCAL-5061<br>(powder) | Plaster, fillers, mortars, screeds and cement - VOC free   |
| DeCAL-5062<br>(powder) | Plaster, fillers, mortars, screeds, cement, with superplasticiser and 2K systems - VOC free                |
| DeCAL-5063<br>(powder) | Plasters, mortars, fillers, screeds, cements, with superplasticiser and 2K systems - VOC free              |
| DeCAL-5070             | Effective defoamer for a wide variety of cementitious formulations   |
| DeCAL-5071             | Mineral oil based defoamer for a wide range of cement systems, especially recommended for pre-cast systems |
| DeCAL-5080             | Waterborne inks and synthetic polymer emulsions  |

## DEFOAMERS CONTAINING SILICONE FOR AQUEOUS SYSTEMS

|            |  |
|------------|--|
| DeCAL-5104 | Water based high gloss wood coatings   |
| DeCAL-5122 | Inks, pigment dispersions, wood coatings (clear and pigmented)   |
| DeCAL-5155 | Low cost - excellent persistence and chemical stability in harsh environments, applicable in timber treatments |
| DeCAL-5190 | Foam control agent for aqueous systems. Effective in emulsion paints and adhesives                             |
| DeCAL-5195 | Effective in high PVC emulsion paints  |
| DeCAL-5198 | Foam control agent for wood coatings and varnishes   |

## DEFOAMERS CONTAINING SILICONE FOR NON-AQUEOUS SYSTEMS

|            |  |
|------------|--|
| DeCAL-5280 | Solvent and solvent free coatings/inks |
|------------|--|

## DEFOAMERS FOR NON-AQUEOUS SYSTEMS

|            |   |
|------------|---|
| DeCAL-5301 | Air release agent for epoxy, acrylic and polyester resins             |
| DeCAL-5328 | Air release agent for acrylic, epoxy and unsaturated polyester resins |

## WATER TREATMENT/AUXILIARY CHEMICALS

|             |  |
|-------------|--|
| DeCAL-9112  | Extremely effective anti-crack additive for highly filled textured coatings and sealants. Cost effective plasticiser replacement   |
| DeCAL-9521  | Polymeric dust suppressant for mineral stock piles and construction roadways   |
| DeCAL-ERT09 | Self emulsifying in H <sub>2</sub> O Rapeseed oil. Cutting fluid, dust suppressant, mould release agent, temporary dust suppressant for roads. Also enhances functionality of agrochemicals        |
| DeCAL-VMAP  | Innovative range of polymers for rheological modification of very highly filled systems, for example cementitious applications or inks. Available in low or high molecular weights and as a powder |
| DeEFFLO     | Anti-efflorescence additive with plasticising properties. Very low dosage requirements.  |

### Key to nomenclature:

|                   |                                      |
|-------------------|--------------------------------------|
| DeCAL-1000 Series | Alkali Swellable Thickeners          |
| DeCAL-1100 Series | Associative Thickeners               |
| DeCAL-1200 Series | Liquid Dispersion Polymer Thickeners |
| DeCAL-1800 Series | Cationic Thickeners                  |
| DeCAL-1900 Series | Non-Aqueous Thickener                |
| DeCAL-2000 Series | Dispersing Agents/Superplasticisers  |
| DeCAL-2100 Series | Surfactants, Wetting Agents          |
| DeCAL-4000 Series | Water Soluble Film Forming Polymers  |
| DeCAL-5000 Series | Defoamers Silicone Free              |
| DeCAL-5100 Series | Defoamers Containing Silicone        |
| DeCAL-9000 Series | Water Treatment/Auxiliary Chemicals  |

**DeCAL** 

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