

ADDITIVES

| Products | CAS | Description |
|-----------------------------|-----------------------------------|--|
| APRI-SKIN 623 | 623-40-5 | Anti skin agent, alternative to MEKO |
| CHLORINATED PARAFFIN | 85535-85-9 | Flame retardant and secondary plasticizer |
| FUMED SILICA | 7631-86-9 | Control of rheology, anti-sedimentation of pigments, free-flow, scratch resistance, corrosion resistance |
| COALEXOLV IB | 141-04-8 / 925-06-4 71195-64-7 | Coalexing agent |
| SODIUM HEXAMETAPHOSPHATE | 68915-31-1 | Dispersant for pigments |
| PEG 400 M/L | 61791-29-5 | Plasticizer |
| GLYCERIN | 56-81-5 | Softener, solvent |
| TRIACETIN | 102-76-1 | Plasticizer |
| POLYGAM BG | | FLOW AGENT. It's used as a blush preventive in cellulose acetate paints and as a wrinkle preventive in alkyd paints, inks and emulsion polymers. |
| REFINED LINSEED OIL | 68649-95-6 | Binder for pigments |
| BOILED LINSEED OIL | 8001-26-1 | Binder for pigments |
| MAGNESUM OXIDE | 1309-48-4 | Fillers |
| ALUMINIUM OXIDE | 1344-28-1 | Fillers as decorative paint |
| CORUNDUM | 1344-28-1 | Filler as decorative paints. Skid resistence - resistence to slipping |
| SILICON CARBIDE | 409-21-2 | Filler as decorative paints. Skid resistence - resistence to slipping |
| CALCIUM FORMATE | 544-17-2 | Grout additive |
| APRINOL 104 | | Versatile surfactant, combined dynamic wetting and defoaming in water-based paints |
| APRINOL 104E | | 50%, versatile surfactant, combined dynamic wetting and defoaming in water-based paints |
| APRINOL 420 | | Versatile surfactant, combined dynamic wetting and defoaming in water-based paints |
| APRINOL 440 | | Versatile surfactant, combined dynamic wetting and defoaming in water-based paints |
| APRINOL 465 | | Versatile surfactant, combined dynamic wetting and defoaming in water-based paints |
| APRINOL 485 | | Versatile surfactant, dynamic wetting in water-based paints |
| APRINOL 2502 | | Versatile surfactant, combined dynamic wetting and defoaming in water-based paints |
| Falamine® Plus | | PH stabiliser, low odour |
| APRINOL 90 | | Multifunctional additive for pH control in water-based paints |
| APRINOL 95 | | Multifunctional additive for pH control in water-based paints |

| SILICON OIL | Various viscosities from 0.65 cSt 1.000.000 cSt. |
|-----------------|--|
| LORAMA LAF® 120 | Mineral oil-based defoamer for solvent-based alkyd resin |
| LDA® 100 | Wetting and dispersing additive, stabilises inorganic pigments |
| LDA™ 150 | Excellent viscosity reduction with inorganic pigments, especially with titanium dioxide |
| LDA™ 160 | Wetting and dispersing additive against settling of inorganic pigments, especially suitable for highly filled formulations |
| LDA® 410 | Wetting and dispersing agent, post additive, development of colour strength and colour acceptance |

POLYSACCHARIDE

| Products | Application | Description |
|------------------|-------------------------------|---|
| LORAMA LWD®100 | Water-based stains | Improved workability, based on renewable raw materials |
| LORAMA ECØ® 100 | Binder for temporary coatings | Water-soluble, powdered polysaccharide resin, 100% bio-based |
| LORAMA LPR 76 | Long and medium oil alkyds | VOC and cost reduction, 86% bio-based |
| LORAMA LPR 221 | Short and medium oil akyds | VOC and cost reduction, reduced yellowing, fast drying, 100% bio-based |
| LORAMA INKRES®33 | Flexographic inks | Partial replacement of acrylic dispersions, improved printresolution, < 88% bio-based |

PIGMENTS

| Products | CAS | Description |
|----------------------|------------|---|
| INORGANIC IRON OXIDE | | Solvent for gums, resins, paints, varnishes, lacquers, and nitrocellulose. Manufacturing paints, rubbers, dissolving resins used in paints, inks, lacquers, and other types of surface coatings |
| TITANIUM DIOXIDE | 13463-67-7 | Rutile pigment from sulphate or chloride treated. Application in solvent / water based paints, emulsion paints, industrial coating, printing inks and powder coating |
| PHTALOCIANINE | 147-14-8 | Severals grade of organic pigment (blue & green 7) for printing inks, paints and coating , plastic masterbatch, textile printing and rubber |

ALCOHOL

| Products | CAS | Description |
|-------------------|----------|---|
| BUTANOL | 71-36-3 | Solvent |
| ISOBUTYL ALCOHOL | 78-83-1 | Evaporation retardant |
| DIACETONE ALCOHOL | 123-42-2 | Additive in the formulation of paints and to prevent the formation of bloom |
| ISOPROPYL ALCOHOL | 67-63-0 | Solvent for cleaning surfaces, removing grease residues, and disinfection |
| ETHANOL 99.9 DRAA | 64-17-5 | Solvent and disinfectant |

SILANE

| Products | CAS | Description |
|---|-------------|---|
| 3-AMINOPROPYLTRIETHOXYSILANE | 919-30-2 | Adhesive enhancer to improve adhesion in coating, inks and adhesives |
| N-(2-AMINOETHYL)3-AMINOPROPYLTRIMETHOXYSILANE | 1760-24-3 | Improves surface finish in phenolic, melamine, epoxy and polypropylene resins. Adhesive enhancer |
| 3-GLYCIDOXYPROPYLTRIMETHOXYSILANE | 2530-83-8 | Adhesive enhancer, crosslinker in composite materials |
| 3-UREIDOPROPYLTRIETHOXYSILANE | | Additive to phenolic, furan and melamine resins for foundry resins and abrasives |
| 3-AMINOPROPYLTRIMETHOXYSILANE | 13822-56-5 | Adhesive enhancer, crosslinker |
| 3-AMINOPROPYLMETHYLDIETHOXYSILANE | 3179-76-8 | Adhesive enhancer, crosslinker |
| ETMENYLTRIETHOXYSILANE | 78-08-0 | Adhesive for glass slides, coupling agent |
| TRIMETHOXYVINYLSILANE | 2768-02-7 | Rovide superhydrophobicity to different materials like TiO2, talc, kaolin, magnesium oxide |
| 3-METHACRYLOXYPROPYLTRIMETHOXY SILANE | 2530-85-0 | Used in the artificial stone industry, can improve the compatibility of various fillers |
| OCTYLTRIETHOXYSILANE | 2943-75-1 | Used to formulate waterproof products and used as a surface treatment agent for inorganic fillers or pigments |
| 2-(TRIETHOXYSILYLPROPYL)TETRASULFIDE | 211519-85-6 | Adhesive enhancer for rubber |

EPOXY RESIN

| Products | CAS | Description |
|---------------------------------|------------|------------------------------------|
| EPOXY RESIN LS-127 | 1675-54-3 | |
| EPOXY RESIN LS-128 | 1675-54-3 | |
| EPOXY RESIN WB-240 | 1675-54-3 | |
| ALKYL (C12 - C14) GLYCIDYLETHER | 68609-97-2 | Reactive diluent |
| 1.4 BUTANEDIOL DIGLYCIDYL ETHER | 2425-79-8 | Reactive diluent |
| 1.6 HEXANDIOL DIGLYCIDYL ETHER | 16096-31-4 | Reactive diluent |
| BISPHENOL A | 80-05-7 | Raw material for resins production |
| BENZYL ALCOHOL | 100-51-6 | Solvent for Epoxy |

PLASTICIZER

| Products | CAS | Description |
|-----------------------------|------------|-------------|
| K-FLEX 850 (DIBENZOATO) | 27138-31-4 | Plasticizer |
| K-FLEX 975 -P (DIBENZOATO) | 27138-31-4 | Plasticizer |
| K-FLEX DP (DIBENZOATO) | 27138-31-4 | Plasticizer |

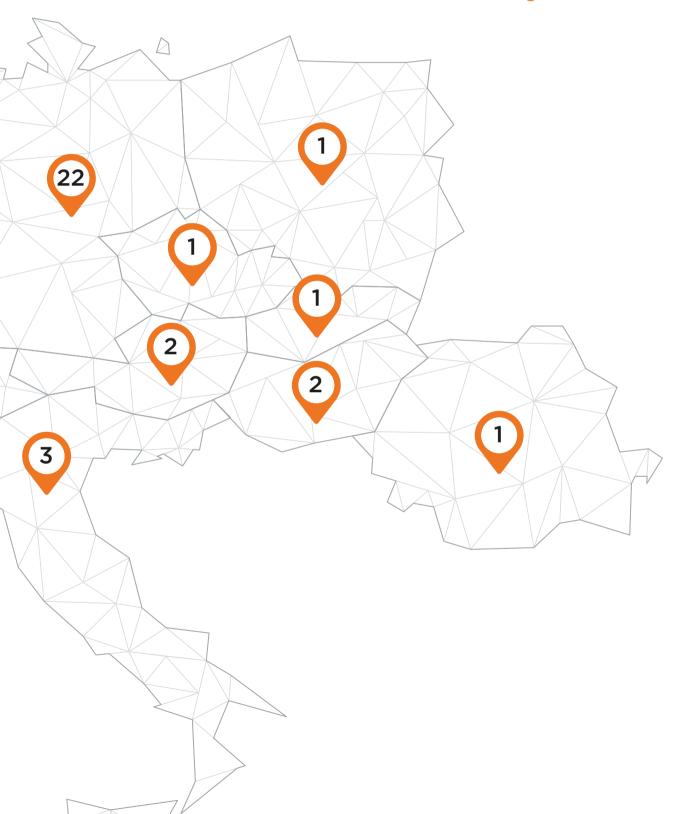






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MONOMERS

| Products | CAS | Description |
|------------------------|------------|--|
| ACRYLIC ACID GLACIAL | 79-10-7 | Coatings, adhesives, inks, textile, floor polish, paints, lacquers, plastics, adhesives, dispersants, and thickeners |
| BUTYL ACRYLATE | 141-32-2 | Coatings, adhesives, inks, textile, floor polish, paints, lacquers, plastics, adhesives, dispersants, and thickeners |
| 2 HETHYLHEXYL ACRILATE | 103-11-7 | Coatings, adhesives, inks,textile, floor polish, paints, lacquers, plastics, adhesives, dispersants, and thickeners |
| ETHYL ACRILATE | 140-88-5 | Coatings, adhesives, inks,textile, floor polish, paints, lacquers, plastics, adhesives, dispersants, and thickeners |
| НРМА | 27813-02-1 | Automotive coating, industrial coating, adhesives and sealants |
| ТМРТА | 15625-89-5 | Manufacture of plastics, adhesives, acrylic glue, anaerobic sealants, and ink |
| DPGDA | 57472-68-1 | Reactive monomer in energy curable coatings, inks, overprint varnishes |
| METHYL ACRYLATE | 96-33-3 | Production of copolymer-coating |
| METHYLMETHACRYLATE | 80-62-6 | Production of copolymer-cement production |

GLYCOLS

| Products | CAS | Description |
|------------------------------------|------------|---|
| MEG | 107-21-1 | Resins production |
| DEG | 111-46-6 | Resins production |
| MONO PROPILEN GLYCOL | 57-55-6 | Wood paint, heavy duty paint, water based paint |
| TRI PROPILEN GLYCOL | 24800-44-0 | Solvent for solvent based coatings |
| 2-(2-BUTOXYETHOXY) ETHANOL | 112-34-5 | Solvent and flow promoter |
| 2-BUTOXYETHANOL | 111-76-2 | Paints and surface coating solvent |
| TRIETHYLENE GLYCOL MONOBUTYL ETHER | 143-22-6 | Solvent for solvent based coatings |

ACETATE

| Products | CAS | Description |
|---------------------|----------|---|
| ETHYL ACETATE | 141-78-6 | Additive in the formulation of paints and to prevent the formation of bloom |
| BUTYL ACETATE | 123-86-4 | Fast evaporation rate Solvent based coatings |
| ISOBUTYL ACETATE | 110-19-0 | Fast evaporation rate Solvent based coatings |
| BUTOXYETHYL ACETATE | 112-07-2 | |
| PLURASOLV PMA | 108-65-6 | Polyurethane coatings |

SOLVENTS

| Products | CAS | Description |
|------------------------------|-------------|---|
| PROPYLENE CARBONATE | 108-32-7 | Solvent |
| DBE DIBUTYLETHER | 142-96-1 | Resin solvent |
| NMP N-METHYL - 2 PYRROLIDONE | 872-50-4 | Polymers solvent, paint stripper |
| NEP N-ETHYL - 2 PYRROLIDONE | 2687-91-4 | Polymers solvent, paint stripper |
| DIMETHYL SULFOXIDE | 67-68-5 | Solvent for paint stripper |
| APRISOLV D (1,3 DIOXOLANE) | 646-06-0 | Solvent, stabilizer, and diluent in various chemical and industrial processes, paint remover |
| APRISOLV M (METHYLAL) | 109-87-5 | Solvent, paint remover, diluent, and raw material in the production of resins, paints, and plasticizers |
| PLURASOLV PM | 107-98-2 | High solvency power, fast evaporation rate Solvent-based coatings |
| PLURASOLV DPM | 34590-94-8 | Higher flash point and lower odor Solvent-based coatings, Graffiti Remover |
| PLURASOLV DPNP | 29911-27-1 | Co-solvent to facilitate penetration |
| PLURASOLV PNP | 1569-01-3 | Low odor water soluble solvent; Paint remover |
| PLURASOLV TPM | 25498-49-1 | Water reducibile coating |
| PLURASOLV TPNB | 55934-93-5 | Low odor, No VOC, Application in indoor paints and coalescent in water-borne resins |
| PLURASOLV DPNB | 29911-28-2 | Coalescent in water-borne latex systems |
| PLURASOLV PNB | 5131-66-8 | Water based coatings |
| PLURASOLV PPH | 212-222-7 | Water reducible coating |
| PLURASOLV DGDM | 111109-77-4 | |
| PLURASOLV PGDA | 623-84-7 | Slow evaporating aprotic solvent |
| PLURASOLV EPH | 122-99-6 | |
| ETHYLDIGLYCOL | 111-90-0 | Decorative water bsed paints |
| HEXYLENE GLYCOL | 107-41-5 | Solvent |
| ETHOXYPROPANOL | 1569-02-4 | Solvent |
| TURPENTINE ESSENCE | 8006-64-2 | Natural solvent for paints, thinners and adhesives |

AMINES

| Products | CAS | Description |
|----------|----------|--|
| MEA | 141-43-5 | PH control agent in the formulation of packaging and printing inks |
| TEA | 102-71-6 | Curing agent for epoxy resins |
| DMEA | 108-01-0 | Curing agent for polyurethanes and epoxy resins |

HYDROCARBONS SOLVENTS

| Products | CAS | Description |
|--|-----------|--|
| CYCLOHEXANE TEC | 110-82-7 | Diluent for resins and adhesives |
| HEPTANE | 142-82-5 | Solvent for the extraction and purification of oils and fats |
| HEXANE | 110-54-3 | Diluent for resins and paints |
| ISOHEXANE | 78-78-4 | Diluent |
| ISOPARAFFIN | | |
| DE-AROMATIZED WHITE SPIRIT D30 /D40 /D60/ D80 /D100 /D120 | | |
| NAPHTHA 100 /150/ 150 ND / 200 / 200 ND | | |
| TOLUENE | 108-88-3 | Diluent and solvent |
| XYLENE | 1330-20-7 | Diluent and solvent |

KETONES

| Products | CAS | Description |
|------------------------|----------|--|
| ACETONE | 67-64-1 | Synthetic fibers solvent |
| MEK | 78-93-3 | Surface coatings, adhesives, printing inks, it is a highly efficient and versatile solvent for surface coatings. |
| MIBK | 108-10-1 | Solvent for gums, resins, paints, varnishes, lacquers, and nitrocellulose. Manufacturing paints, rubbers, dissolving resins used in paints, inks, acquers, and other types of surface coatings |
| CYCLOHEXANONE | 108-94-1 | Nylon product |
| METHYL ISOBUTYL KETONE | 108-10-1 | Diluent for paints and adhesives |

CHLORINATED

| Products | CAS | Description |
|---------------------|----------|--------------------------|
| DICHLOROMETHANE | 75-09-2 | Solvent |
| TETRACHLOROETHYLENE | 127-18-4 | Organic Material Solvent |

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Certificati dal 1993:









