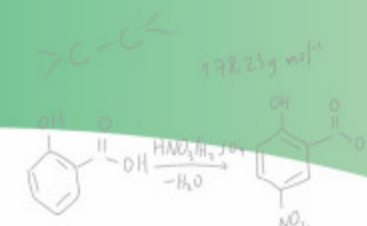




NEW-TECHEM



COATINGS | INKS | ADHESIVE INDUSTRY

Additives & Specialty Chemicals

The information is compiled based on our current knowledge and is for reference only. No guarantees are provided. We reserve the right to change product parameters within the scope of the process progress or product development. Since we can not control processing conditions and raw material compatibility in a wide range of applications, users should test the suitability of the product before production. @2025

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About NEW-TECHEM

NEW-TECHEM was established in 2002 in Taiwan, focusing on the production and distribution of additives and specialty chemicals. We are also agents for internationally renowned brands, including BASF, Milliken, Lyondell's SAA series, LCY Chemical Group etc.

Our products are applied in coatings, printing inks, leather&synthetic leather, adhesives and sealants, textile coatings, plastics, and more. With extensive experience, professional knowledge, and strong innovative capabilities, we are dedicated to providing you with solutions that enhance product performance, optimize production processes, and improve efficiency, while endowing your products with new functionalities.

We continuously develop and innovate products based on customer and market demands, introducing new products to embody the core value of "New Technology for the future development".

INTEGRITY, PROFESSIONALISM, INNOVATION - SERVING YOU

Integrity, Professionalism, We value global green and sustainable environments and will continue to develop water-based and environmentally friendly products that comply with international standards. To better enhance service quality, we have also established "Shanghai Meitai Trading Co., Ltd." in Shanghai, China to provide you faster, more timely, more professional, and more consistent services. Innovation - Serving You



Dispersing Agents

Product Name	Composition	Active Content (%)	Solvent	Suitable for Pigments		
				Inorganic	Organic	Carbon Blacks

water-based systems

DW-18	non-ionic surfactant	100	---	●	●	●
DW-60	sodium salt of carboxylic acid copolymer	25	water	●	●	
DW-94	copolymer with groups of high pigment affinity	50	water	●	●	●
DW-96	copolymer with groups of high pigment affinity	35	water		●	●
DW-97	copolymer with groups of high pigment affinity	50	water /DPM		●	●

non-aqueous systems

302	unsaturated polyamide and acid ester salts	50	nBAC/XYL	●	●	
303S	anionic polymer	60	Aromatic Solvents	●	●	●
304S	unsaturated polycarboxylic polymer and a polysiloxane copolymer	50	XYL/DIKB	●	●	
307	acrylic block copolymer	50	EGDA/Isopar	●	●	●
D-111	phosphoric acid ester	>90	--	●		
D-410	modified polyurethane polymer	50	nBAC/PMA/BCS	●	●	
D-430	modified polyurethane polymer	100	--	●	●	
D-880	block copolymer	50	nBAC/#100	●	●	●
D-881	block copolymer	50	nBAC/Isopar	●	●	●
D-980	modified polyurethane polymer	45	XYL/nBAC		●	●
D-981	modified polyurethane polymer	55	XYL/PMA/nBAC	●	●	●
D-985	poly-carboxylic ester copolymer	100	--	●	●	●
SUPER-532	block copolymer	>98	--			
SUPER-1000	block copolymer	>98	--	●	●	●
SUPER-1200D	block copolymer	50	Isopar	●	●	●
SUPER-1300	block copolymer	50		●	●	●

Applications			Features and benefits
water-based systems	solvent-based systems	solvent-free systems	

●			excellent wetting performance, dispersing, anti-floating, anti-flooding and emulsion stabilizer.
●			excellent dispersing performance; improves gloss, improves wet-scrub resistance, improves blocking resistance, excellent ZnO-compatibility.
●			excellent wetting and dispersing performance; strong reduction of millbase viscosity; effective stabilization of all kinds pigments, even critical organic pigments; suitable for binder-free pigment concentrates.
●			excellent wetting and dispersing performance; effective stabilization of organic pigments and carbon blacks, and viscosity can be reduced; with excellent water resistance and salt spray resistance.
●			excellent wetting and dispersing performance; suitable for organic pigments and carbon blacks; shows outstanding color strength development and viscosity reduction; provides high pigment loadings, high jetness, and long-term stability.

	●		for wetting and dispersing inorganic pigments, excellent viscosity reduction and pigments stability; also ideally suited for gelling organophilic bentonites.
	●		oligomeric wetting and dispersing agent, provides excellent anti-settling and anti-floating properties.
	●		controlled flocculating wetting and dispersing agent for solvent-borne, medium-polarity to high-polarity coatings to prevent the flooding/floating of titanium dioxide in combination with colored pigments.
	●		exhibits strong wetting and viscosity reduction for inorganic pigments.
	●	●	stabilizing inorganic pigments, in particular titanium dioxide; strong reduction of millbase viscosity; ideal for acid-catalyzed systems.
	●		exhibits strong wetting and viscosity reduction for inorganic pigments, suitable for high pigment content systems; improves the gloss and the color strength.
	●	●	exhibits strong wetting and viscosity reduction for inorganic pigments, suitable for high pigment content systems; increase gloss, color strength; suitable for solvent-free systems.
	●		stabilizes pigments of all types; increase gloss, color strength, transparency and hiding power and reduce the viscosity of the millbase.
	●		stabilizes pigments of all types, increase gloss, color strength, transparency and hiding power and reduce the viscosity of the millbase, with long-term stability.
	●		suitable for carbon black and most types of organic pigments, rapid pigment wetting, stabilizes pigments, broad compatibility for all-purpose solvent-borne pigment.
	●		highly suitable for optimum dispersion of carbon blacks and organic pigments, allows high color strength, viscosity reduction at high pigment concentration, excellent stability against flooding and flotation.
	●	●	excellent dispersion of carbon black and inorganic pigments, deflocculates pigments by steric stabilization to give a high level of gloss and improved color strength, give excellent storage stability.
	●	●	used for the manufacture of aluminum paste, excellent dispersion, enhances brightness, whiteness, and prevent the surface of aluminum from oxidizing.
	●	●	100% active polymeric dispersant, increase gloss, color strength, transparency and hiding power and reduce the viscosity of the millbase, excellent stabilization of pigments.
	●		controlled flocculating wetting and dispersing agent, increase gloss, color strength, excellent reduction of millbase viscosity, and stability against flooding and flotation.
	●		excellent wetting and dispersing performance, stabilizes pigments of all types, increase gloss, color strength and hiding power.

Wetting Agents and Surface Modifiers

Product Name	Composition	Active Content (%)	Solvent
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substrate wetting agents

F-10W	non-ionic surfactant	50	water
F-11W	sulfosuccinates	75	water / EA
F-12W	silicone surfactant	50	DPM
F-15W	silicone surfactant	100	--
F-17W	silicone surfactant	100	--
F-19W	silicone surfactant	100	--
F-24W	silicone surfactant	100	--

flow and leveling agents

F-8	low-molecular-weight polymers	≥99	–
F-16	modified polysiloxanes	25	Isopar
F-20	modified polysiloxanes	50	IPA
F-26	modified polysiloxanes	≥98	--
F-50	modified polysiloxanes	50	BCS
F-57	modified polysiloxanes	≥99	--
F-77	fluorinated polyacrylates	70	Isopar
FW-45	Polyacrylate	50	Water
HW-80	silicone-modified organic max	50	EGDA/Isopar
HW-90	fluoro surfactant	50	nBAC
MAA	copolyacrylates	50	BCS/Isopar
MAS	copolyacrylates	50	XYL
PH-316	modified polysiloxanes	≥99	–

Applications			Features and benefits
water-based systems	solvent-based systems	solvent-free systems	

●			promote spreading and uniform film formation on hard-to-wet or contaminated surfaces; eliminate or diminish film defects such as crawling, fish eyes, and some forms of cratering; also provides excellent recoatability.
●			highly efficient sulfosuccinate wetting agent; strong reduction of dynamic surface tension; standard product used in overprint varnishes.
●	●		high-performance silicone-based wetting agent; strong reduction of static surface tension; excellent compatibility and recoatability.
●	●	●	universal, siloxane-based flow and anti-crater agent; excellent compatibility and recoatability.
●	●	●	excellent anti-crater properties with flow and defoaming promotion; highly active and broadly usable, efficient crater prevention and elimination; excellent compatibility and recoatability.
●	●	●	strong wetting and anti-crater effects properties; high compatibility and recoatability; excellent crater prevention and elimination.
●	●	●	excellent anti-crater properties with flow promotion; high compatibility and recoatability.

	●		prevents surface irregularities like craters, scars, blisters, pinholes and orange peel; suppresses the risk of solvent popping and improves leveling; be recommended for use in solvent-based, air-drying coatings and baking systems.
	●		strong reduction of surface tension; excellent substrate wetting, prevents cratering, increases surface flow and slip; very compatible and low tendency to foam.
	●		strong reduction of surface tension; excellent leveling, and anti-crater properties; improved slip and mar-resistance;
●	●	●	strong reduction of surface tension; improved slip and mar-resistance; reduced coefficient of friction; good compatibility and recoatability; low tendency to foam.
	●		excellent flow and leveling combined with strong slip properties, improved gloss enhancement; high compatibility and recoatability.
●	●	●	improved slip, gloss enhancement, and leveling; provides mar-resistance; good compatibility and recoatability.
	●		excellent combination of low foam, substrate wetting and leveling; excellent recoatability.
●			excellent substrate wetting, leveling and anti-cratering; high recoatability.
	●		provides leveling, slip and mar-resistance; excellent anti-settling performance; improved the orientation effect of metallic pigment and silica matting agents.
	●		improved slip and mar-resistance for UV coating and industrial coatings; excellent recoatability.
	●		leveling agent for industrial coatings,coil coatings,2-pack PUR,2-pack epoxy, and baking systems; reduced foaming.
	●		leveling agent for industrial coatings,coil coatings,2-pack PUR,2-pack epoxy, and baking systems; reduce foaming.
	●	●	excellent wetting and leveling; effectively reduces coating troubles such as poor adhesion, pinhole and crater; recoatable when used as directed.



Defoamers

Product Name	Composition	Active Content (%)	Solvent
water-based systems			
DF-NXZ	mineral oil with hydrophobic solids	100	--
DF-65	polyether-modified polydimethylsiloxane	60	water
DF-68	high molecular weight polymer	50	DPM
DF-71	polyether-modified polydimethylsiloxane with hydrophobic solids	100	-
690	silicone compound	100	-
non-aqueous systems			
230	acrylic polymer	50	nBAC
232	acrylic polymer	30	nBAC
253	modified polysiloxane	--	CYC/Aromatic Hydrocarbons
256	modified polysiloxane	--	XYL/IPA
290	organic polymer silicone-free	100	--
650	modified polysiloxane	--	CYC
680	modified polysiloxane with fumed silica	100	--
690	silicone compound	100	-

Applications			Features and benefits
water-based systems	solvent-based systems	solvent-free systems	
●			universal defoamer for aqueous emulsion-based coatings and plasters; specifically designed for flat aqueous coatings and adhesives; good compatibility; does not cause fisheyes.
●			provide defoaming and improve leveling, wetting, mar resistance and slip in ink and coating applications; outstandingly effective against micro- and macro-foam; highly compatible; minimized risk of cratering.
●			silicone-free defoamer for high-gloss systems; good compatibility and excellent recoatability; suitable for high-gloss paints and baking systems.
●			highly effective defoamer; very effective against micro- and macro-foam; highly suitable for airless or airmix applications; highly recommended for high-viscosity formulations.
●	●	●	excellent antifoaming property, good durability as antifoam; excellent foam control and versatility of applications; suitable for coatings, printing ink, adhesive, food and beverage, highly recommended for high-PVC formulations.
	●		silicone-free dofoamer, superior deaerating effects with broad range of applicability, over entire range of solvent-based paints.
	●		silicone-free dofoamer, superior deaerating effects with broad range of applicability, over entire range of solvent-based paints.
	●	●	excellent bubble release performance for high-build PU, dip and roller coatings; excellent foam prevention and anti-foaming properties; reduces fish-eye, pinhole and crater defects.
	●	●	bubble-releasing, anti-foaming agent for 2-pack PUR, 2-pack epoxy, and baking systems; reduces fisheye, pinhole and crater defect; high compatibility.
⊙	●	●	silicone-free defoamer for UV formulations, fast and efficient foam break; excellent compatibility and recoatability.
	●	●	prevent foaming of solvent-based coatings caused by mechanical force such as mixing, production and application; exhibit excellent anti-foaming function in dipping coatings.
	●	●	highly effective defoamer; very effective against micro and macro-foam; very suitable for high build and high-viscosity applications; fast and efficient foam break; highly recommended for 2K epoxy systems and radiation-curing coatings.
●	●	●	excellent antifoaming property, good durability as antifoam; excellent foam control and versatility of applications; suitable for coatings, printing ink, adhesive, food and beverage, highly recommended for high-PVC formulations.

Rheology Modifiers

Product Name	Composition	Active Content (%)	Solvent
water-based systems			
LATEKOLL- D	ASE	25	water
HASE-5	HASE	30	water
HASE-7	HASE	30	water
HASE-8	HASE	30	water
TU-202	HEUR	20	water
TU-205	HEUR	18	water/BCS
TU-208	HEUR	30	water/BCS
TU-209	HEUR	25	water/BCS
TU-87N	HEUR	50	water/BCS
EWV	modified polyethylene wax	35	water
EWE	modified EVA copolymer wax	35	water
EWA	modified polyamide	20	water/PM
non-aqueous systems			
AW-907	modified polyamide	20	XYL/EA
PA-919	polyamide wax micropowder	100	--
PA-920	polyamide wax micropowder	100	—

Tin- free	APEO- free	Features and benefits
●	●	alkali-swellable emulsion(ASE); low-shear thickener; highly shear thinning; anti-sagging; high yield point; lower water uptake.
●	●	mid-shear thickener; improves flow; excellent efficiency; allround product which can be used in most paints systems.
●	●	highly efficient low-shear thickener; highly shear thinning, anti-sagging and anti-settling; excellent thickening efficiency; good water resistance; good scrub resistance; resistance to microbial attack.
●	●	mid-shear and low-shear thickener; excellent anti-sagging and anti-settling performance; high efficiency in building KU viscosity; good paint stability and consistency; good water resistance; good scrub resistance; resistance to microbial attack.
●	●	excellent high-shear thickener; low odour, nearly Newtonian; imparts excellent flow; excellent balance of high- and low-shear viscosity build.
●	●	mid-shear thickener; excellent balance between flow and sag; resistant to enzymatic attack; excellent water and alkali resistance; excellent spatter resistance; use over a wide pH range.
●	●	low-shear thickener; excellent balance of high- and low-shear viscosity build; reduces sagging; good leveling.
●	●	strong low-shear thickener; strong pseudoplasticity; excellent anti-sagging performance.
●	●	mid-shear thickener; improves flow and leveling; less influence on gloss and water resistance; reduces roller spatter, brush marks; use over a wide pH range.
●	●	anti-settling agent; improved the orientation effect of metallic pigment and silica matting agents.
●	●	improve the effect pigment orientation and reduces cloudiness/mottling; reduces sedimentation in the coatings during storage and processing.
●	●	high shear thinning; excellent anti-settling and anti-sagging; improve orientation of metallic pigments; strong interaction maintained even in co-solvent rich or low molecule polymer systems.
●	●	anti-sagging and anti-settling agent; excellent high viscosity increase; easy to disperse; good transparency.
●	●	pure polyamide wax powder; strong anti-sagging / anti-settling; easy to disperse; dispersion temperatures(60~80°C); suitable for heavy-duty industrial coatings, marine coatings, high-solids systems, solvent-free coating systems.
●	●	pure polyamide wax powder; strong anti-sagging / anti-settling; easy to disperse; dispersion temperatures(50~70°C); suitable for heavy-duty industrial coatings, marine coatings, high-solids systems, solvent-free coating systems.



PU Catalysts

Product Name	Composition	Tin %
PU-12	Dibutyltin dilaurate	18
PU-18	Diocetyl tin dilaurate	16
PU-20	Butyltin tris(2-ethylhexanoate)	20
PU-33	Dibutyltin diacetate	33

Features and benefits
standard PU catalyst; catalysis esterification as well as transesterification reactions; be used as an effective catalyst in the production of polyurethane foams, coatings, adhesives and sealants.
catalytic efficiency is equivalent to PU-12; low toxicity, provides a better EH&S profile over comparable butyl tin compounds.
catalytic efficiency is equivalent to PU-12; improve significantly the pot life to cure performance over classical DBTDL or DOTDL; suitable for higher temperature environments.
extremely high catalytic activity, suitable for lower temperature environments.

Adhesion Promoters

Product Name	Composition	Active Content (%)	Solvent	Applications
P-100	modified polyester	80	EGDA	baking systems
P-101	modified polyester	80	IPA	baking systems
1051	epoxy functional silane oligomer	≥98	--	universal water/ solvent-based systems
SAD	diaminofunctional silane oligomer	≥98	—	universal water/ solvent-based systems
SAE	epoxy functional silane oligomer	≥98	—	universal water/ solvent-based systems

	Features and benefits
	improves adhesion of paint film especially on non-ferrous substrates; improves the flexibility and impact resistance of paint film; be used for baking systems; low acid value.
	improves adhesion of paint film especially on non-ferrous substrates; improves the flexibility and impact resistance of paint film; be used for baking systems.
	epoxy reactivity; methoxysilyl inorganic reactivity; improves adhesion; better filler wet-out and dispersion; increases composite strength properties; good hydrolytic stability.
	improved adhesion; increased wet and dry tensile strength and modulus to the composite; increased wet and dry flexural strength and modulus to the composite; increased wet and dry compressive strength; improved compatibility between inorganic filler and organic polymer.
	aids adhesion promotion and crosslinking of water borne or solvent based coatings; good hydrolytic stability; especially suitable for 2-pack PUR.

Specialty Agents

Product Name	Description	Composition	Active Content (%)	Solvent
water-based systems				
DE	amine neutralizer	N,N-dimethyle thanolamine	≥99	
DE-95	multifunctional amino alcohol	2-amino-2-methyl-1-propanol	95	water
ADW	multifunctional agent	nonionic surfactant	70	DPM
WW-110	anti-blocking and slip agent	paraffin wax emulsion	60	water/IPA
WW- 565F	anti-blocking and slip agent	fluoro modified silicone wax emulsion	30	water
non-aqueous systems				
Auto-A	metal pigment orientation agent	oxidized polyethylene and polyamide wax	7.0	solvent naphtha /EA
Auto-B	metal pigment orientation agent	high molecular weight copolymer	60	100#/nBAC /PMA
ALD	anti-AL-falling agent	modified polyacrylic	45	TOL/nBAC
AN-823	nano wear- resistant agent	Al ₂ O ₃ /SiO ₂	≥99	—

Applications			Features and benefits
water-based systems	solvent-based systems	solvent-free systems	
●			helps adjust the pH levels, enhancing the stability and durability of paints, varnishes, and lacquers; also used in polyurethane manufacturing as a catalyst for both flexible and rigid foam formulations, helps control the foam structure, density, and reaction times.
●			highly efficient neutralization of acid-functional ingredients; powerful co-dispersant for pigments and fills; provides corrosion and flash-rust resistance; enhances rheology stability; thermally stable and resistant to yellowing; Eco-Friendly.
●			enhances adhesion to inorganic substrates like metals, glass, ceramics, and cement, improves chemical resistance; water resistance, and salt spray resistance; enhances dispersion and anti-tarnishing of metallic pigments.
●			excellent anti-blocking performance; provides slip, water-resistant, scratch resistance and abrasion resistance.
●			excellent anti-blocking and stain-resistance performance; reduces the friction coefficient; provides superior slip, water-resistant, mar resistance, scratch resistance and abrasion resistance.
●			highly efficient control of anti-sagging and anti-settling properties, and improvement of metallic pigment orientation without excessive viscosity increase of solvent-based coating system; easy to disperse.
●			suitable for solvent-based systems, especially automotive OEM coatings, aiding in metallic pigment orientation, anti-settling, and anti-sagging properties.
●			prevents aluminum powder from falling off, and will not cause the aluminum powder to darken; excellent improvement of adhesion to metals and plastics; improves intercoat adhesion.
●	●	●	enhances mar resistance, scratch resistance, abrasion resistance, and stain-resistance properties.

Melamine Resins

Product Name	MR-0747	MR-0717	MR-0725	MR-0718	MR-0719
Description	highly methylated melamine resin	methylated high NH melamine resin	methylated high NH melamine resin	special etherified hydroxymethylated melamine resin	special etherified hydroxymethylated melamine resin
Solids (%)	≥99	75	75	80	76
Solvent	--	IBA	IBA	IBA	IBA
Free formaldehyde (%)	< 0.3	< 0.1	< 0.1	< 0.2	< 0.5
Application areas	general industrial coatings automotive coatings can and coil coatings waterborne coatings inks	general industrial coatings automotive coatings can and coil coatings	general industrial coatings can and coil coatings waterborne coatings automotive coatings	general industrial coatings automotive coatings can and coil coatings waterborne coatings inks	waterborne coatings
Features and benefits	•for high solids formulations very good film flexibility •formulations stability and resistance properties •achieve balance of hardness and flexibility •low formaldehyde release	•fast cure response •medium to high solids •low formaldehyde release	•for fast curing medium to high solids formulations with improved film flexibility properties •excellent compatibility of water •low formaldehyde release	•very fast cure response •excellent compatibility of water •achieve balance of hardness and flexibility •low formaldehyde release •Initial crosslinking temperature: 105°C	•very fast cure response •excellent compatibility of water •achieve balance of hardness and flexibility •low formaldehyde release •Initial crosslinking temperature: 90°C
baking conditions (without acid catalyst)	150~180°C*15-30min	120~150°C*15-20min	120~150°C*15-20min	110~140°C*15-25min	95~120°C*15-25min

Fluoro Surfactants



An extremely low addition amount significantly reduces the surface tension.

Inert material suitable for highly acidic, highly alkaline, strongly oxidative media, or high-temperature environments.

- ◎ Excellent compatibility, does not reduce the gloss;
- ◎ Strong wetting and penetrating properties;
- ◎ Anti-cratering, improved leveling, open-time extension;
- ◎ Reduced foaming;
- ◎ High thermal stability;
- ◎ Improves intercoat adhesion;
- ◎ Improvement of metallic pigment orientation;
- ◎ Stability against flooding and flotation;
- ◎ Anti-blocking, oil repellency, and dirt pickup resistance;

Product Name	FF-311	FF-313	FF-314	FF-315	FF-316	FF-451
Description	Nonionic	Anionic	Anionic	Nonionic	Nonionic	Nonionic
Solid	100%	16%	16%	25%	50%	70%
Applications	Universal water /solvent-based and solvent-free	Water-based	Water-based	Water-based	Water-based	Solvent-based
Surface Tension (25°C, 0.1%)	18-22 Dyn/cm	18-22 Dyn/cm	16-21 Dyn/cm	18-22 Dyn/cm	14-14.5 Dyn/cm	18-22 Dyn/cm
Foaming	Low Foamer	Excellent foam-suppression	Excellent foam-suppression	Low Foamer	Excellent foam-suppression	Low Foamer
Recommended Dosage	0.01%~0.1%					

SCA-100 Anti-sagging Resin

Description SCA-100 is hydroxylated acrylic resin, modified with sag control agent (SCA). It shows metal orientation and excellent anti-sagging with leveling and transparency when drying at high and room temperature.

SCA-100 has a good compatibility with almost all base resins commonly used for coatings, especially with CAB resins.

Applications

- Automotive OEM clearcoats and solid colour topcoats.
- Industrial stoving systems.
- Vehicle repair coating.
- Plastic coating.
- Flexible transparent coating applied over the base coating.
- Excellent good anti-sag property of transparent film after spraying with high film thickness.

Physical Properties	• Appearance	Milky White Liquid
	• Solid content	58 ~ 62%
	• Specific gravity	0.98-1.02 g/cm
	• Viscosity (60rpm, poise)	10-40 at25°C
	• Viscosity (6rpm, poise)	50-250 at25°C
	• Amine content	3.2~5.4
	• OH value	50 mg KOH/g
	• Solvent	#100/nBAC/PMAC

Features and benefits High solids content at spraying viscosity, excellent hardness, very good filling power and gloss, good outdoor durability, good chip resistance, very good petrol and solvent resistance, very good acid resistance, good sagging limit.

Recommended dosage 5-15% based on the solid content of the resin

Packaging 16 KG/DRUM

METALTINT Polymer Colorant

METALTINT is an environmentally friendly high-transparency, high-brightness, high-chroma polymer colorant with excellent non-migration and high-temperature resistance properties. It is compatible with both water- and oil-based systems, contains no solid particles, and is suitable for use in coatings, inks, adhesives, glues, cast PU, synthetic leather, leather, textile coatings, and film coatings.

Features and Advantages

- Compatible with both water- and oil-based systems
- High transparency, high brightness, and high chroma
- Non-migratory, resistant to both dry and wet rubbing
- Excellent heat resistance, maintaining color stability up to 200 °C
- Can produce a metallic luster in certain processes, such as matte or suede-finish synthetic leather papers
- Environmentally friendly material
- Superior lightfastness compared to conventional dyes and fluorescent pigments

For enhanced weather resistance, please contact us, we can provide optimized solutions.

Technical Parameters		METALTINT						
Product Properties	Testing Method	Yellow 3601	Black 1601	Orange 5801	Red 2501	Red 2505	Blue 4701	Blue 4705
Solid %		50	50	40	40	60	38	42
Color Migration	Gray Scale (1-5), ISO 105/A03	5	5	5	5	5	5	5
Light Aging Resistance	Xenon(48hrs)	5	5	5	5	5	5	5
	QUV(48hrs)	5	5	5	5	5	5	5
Bleeding	ASTM D552-00 Gray Scale(1-5), ISO 105/A03	5	5	5	5	5	5	5
Solubility								
	Water	●	●	●	●	●	●	●
	DMF	●	●	●	●	●	●	●
	MEK	●	●	●	●	●	●	●
	DPM	●	●	●	●	●	●	●
	DBM	●	●	●	●	●	●	●
	Butyl	●	●	●	●	●	●	●
	IPA	●	●	●	●	●	●	●
	BCS	●	●	●	●	●	●	●
	IBA	●	●	●	●	●	●	●
	DBE	●	●	●	●	●	●	●
	DBE+BAC	●	●	●	●	●	●	●
	Toluene	○	○	○	○	○	○	○
	Xylene	○	○	○	○	○	○	○
	#100	○	○	○	○	○	○	○
	#200	○	○	○	○	○	○	○

● Soluble ● Partially Soluble ○ Insoluble

Styrene Allyl Alcohol

SAA-100™ and SAA-101™ Copolymers
Hydroxy Functional Resins for Toners

Features and benefits

Low Viscosity & Melt Temperatures
High Functionality
High Thermal Stability
Improved Adhesion
Brilliant Color
Heat Resistance
Water Resistance

Typical Properties

COMPOSITION	SAA-100	SAA-101
Bound Styrene, mole %	70	60
Bound Allyl Alcohol, mole %	30	40
PHYSICAL PROPERTIES		
Physical Form	Pastilles White	Pastilles White
Appearance	Pastilles White	Pastilles White
Color, APHA (30% in MEK)	40	40
Molecular Weight, GPC (Number Average, Mn)	1,500	1,200
Molecular Weight, GPC (Weight Average, Mw)	3,000	2,500
Pd (Polydispersity)	2.0	2.1
Hydroxyl Number (mg KOH/gm)	210	255
Equivalent wt.	267	220
Acid Number (mg KOH/gm)	<0.1	<0.1
Tg °C	62	57
TS (Softening Point), °C	79	73
T1, °C	90	78
T2, °C	103	95
T1/2, °C	105	98
Viscosity (cps @100°C)	317	317
Specific Gravity	1.05	1.05

Antibacterial, Anti-Mold, Antiviral, and Deodorizing

4-in-1

TU-15

- Achieves antibacterial, anti-mold, antiviral, and deodorizing effects with a low addition ratio.
- Suitable for water-based systems, with heat resistance up to 500 °C.
- The aqueous solution is non-toxic, odorless, non-irritating to the skin, and highly stable.
- Four-in-one performance achieved at a low addition ratio, with wide application range.
- Exhibits excellent removal of odor molecules, including ammonia, acetic acid, hydrogen sulfide, methyl mercaptan, and formaldehyde.
- Does not cause discoloration of fibers or fabrics.



Specification	TU-15
Base Material	Composite Copper Ionic Compound
Appearance	Blue Liquid
Active Antibacterial Ingredient	Copper Ion
Solvent	Pure Water
Heat Resistance	500°C
Packaging	25KG/Drum

Recommended TU-15 Usage Concentration:

Disinfection, Antibacterial, Anti-Mod	Antiviral	Deodorizing
0.1~0.3 %	0.5~0.7 %	1~3 %

New Technology for the future development

Contact Us

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