



2022

Tianjin Ruike Chemical Co., LTD

Product instruction Manual



Company Profile

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About Us

Tianjin Ruike Chemical Co., Ltd. is a professional new material company specializing in research and development, production and sales of various coatings and ink additives. The products are widely used in coatings, inks, adhesives, composite materials and other fields. The product performance is far more than a number of international famous brands, especially the star product super dispersant has been the majority of customers praise.

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Corporate Values

Companies adhering to the "pioneering and innovative, scientific development" spirit of enterprise and "quality development, customer first" business philosophy.

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Research and Development

The company has always been driven by scientific and technological innovation. The technical team led by Doctor of Chinese Academy of Sciences focuses on providing innovative technical solutions and services to create value for customers and create brilliant!

4

Quality and Environment

We view quality and environmental compliance as an important part of our business. We are committed to providing high quality and environmentally friendly products.



Solvent Based Dispersant

Coding	Solid	Features and Applications	Water/solvent
RD-9210	95%	Reduce the viscosity of color paste, improve luster and storage stability , good compatibility, suitable for alkyd resin system	solvent
RD-9211	100%	It has the function of oriented arrangement of extinction powder, suitable for wetting and anti-sinking of alkyd and acrylic system pigments, with high cost performance.	solvent
RD-9301	100%	Anti-greening dispersant, does not affect the surface dry, speed up polishing time, improve production efficiency, suitable for wood paint.	solvent
RD-9312 (VS BYK-111)	100%	Polymer copolymer containing acid group.Dispersing and wetting titanium dioxide, dumb powder and inorganic pigment.	solvent
RD-9103 (VS Lubrizol 20000)	100%	Alcohol soluble ink color dispersion, also suitable for automotive and industrial coatings, high pigment carbon black dispersion, especially 2K system, strongly reduce viscosity.	solvent
RD-9105 (VS Lubrizol 24000)	100%	Solid granular dispersant, used in gravure printing inks, industrial coatings, UV inks, suitable for dispersing all pigments.	solvent
RD-9106 (VS Lubrizol 36000)	100%	With strong viscosity reduction ability, small dispersion particle size, can be used for nano color paste, UV dumb paste, etc.	solvent
RD-9108	100%	Ceramic powder dispersion, improve strength, prevent precipitation.	solvent
RD-9118	100%	High anti - sedimentation dispersant, effectively improve system anti - sedimentation, suitable for solvent - free system.	solvent
RD-9123	100%	Alkyd, polyurethane, unsaturated polyester system viscosity reducing dispersant, dispersing inorganic pigments, fillers and titanium dioxide.	solvent
RD-9126	100%	Used as a wetting dispersant for solvent-based, solvent-free coatings and printing inks, stabilizing inorganic pigments, especially titanium dioxide and SILICON dioxide.	solvent
RD-9610 (VS Lubrizol S-8000)	100%	Good versatility, anti - sedimentation and viscosity reduction is more balanced. It can be used in the fields of composite packaging ink dispersing color, oily polyurethane waterproof coating and polyurethane plastic runway.	solvent
RD-9611(VS BYK-ATU)	100%	Used FOR primer to increase the amount of powder added, can also grind carbon black pigment and organic pigments, good temperature resistance, used for anticorrosive coatings.	solvent
RD-9617(VS byk9076)	100%	Polymer dispersant, used for the preparation of polyether polyol, floor paint, unsaturated resin color paste.	solvent
RD-9715	100%	It has excellent grinding and dispersing effect on carbon black, organic pigment and extinction powder in UV offset printing ink and coating system.	solvent
RD-9716	100%	High molecular dispersing agent, used for dispersing and anti-sinking of extinction powder in UV wood coatings.	solvent
RD-9773	100%	Polymer dispersing agent, USED in weak polar solvent INks system and PVC color paste/paste, inorganic pigments and fillers have good dispersion.	solvent

Coding	Solid	Features and Applications	Water/solvent
RD-9774	100%	High polymer superdispersing agent, in solvent inks, carbon black and organic pigments have shown excellent grinding dispersion effect.	solvent
RD-9775	100%	Dispersion of carbon black, organic pigments and inorganic pigments in high solid solvent-based coatings and UV curing systems.	solvent
RD-9778	100%	Viscosity reduction and dispersion of carbon black and organic pigments in UV, solvent-free, solvent-based coatings and ink systems.	solvent
RD-9781	100%	Macromolecular DISPERSANT, mainly in THE oil/alcohol WATER system for inorganic pigments (iron oxide, titanium dioxide and various fillers, etc.) grinding dispersion, both anti-floating color flower effect.	solvent
RD-9783	100%	In the alkyd, PU system for the inorganic pigment grinding dispersion, the pigment has excellent wetting dispersion and anti-sedimentation effect.	solvent
RD-9001	100%	No solvent dispersant, effective viscosity reducing dispersant, suitable for dispersing organic pigments and carbon black, strong versatility.	general
RD-9779	100%	It has excellent wetting and DISPERSing ability in medium and high polarity system, which can reduce system viscosity, improve fluidity and shorten grinding and dispersing time. Widely used in SMC and BMC systems.	general
RD-9616	100%	polymer dispersant, high pigment carbon black dispersion effect is excellent, used for UV color paste, coatings, ink.	general

Water Based Dispersant

Coding	Solid	Features and Applications	Water/solvent
RD-9903 (VS TEGO760W)	35%	Water-based dispersant, strong versatility, high gloss, suitable for water-based ink, inkjet ink, pigment concentrated pulp, industrial coatings.	water
RD-9206 (VS TEGO755W/EFKA4560)	40%	Used for water - based resin - free color paste, good color development, high gloss.	water
RD-9207 (VS Clariant 2774)	100%	Free of APEO, used for water color paste, ink color paste, etc. High cost performance, improve the complex color flower problem.	water
RD-9208 (VS BYK-190/Lubrizol W100)	40%	It is suitable FOR all pigments. It has excellent dispersion and viscosity reduction of carbon black and organic pigments and good compatibility with downstream resins.	water
RD-9209	80%	Prevent pigment flocculation and increase the storage stability of the system. Improve gloss, coloring power, reduce viscosity. It is especially suitable for the dispersion of carbon black in resin-free system.	water
RD-9213	100%	Non-ionic polymer water dispersing agent for preparation of water concentrated slurry.	water
5040	50%	VOC free, sodium polyacrylate salt dispersing agent, excellent initial dispersion, viscosity reduction and storage stability.	water

Coding	Solid	Features and Applications	Water/solvent
5027	50%	Ammonium polyacrylate polymer dispersing agent, for the dispersion of inorganic color fillers and titanium dioxide.	water
5060	45%	Moderate molecular weight, excellent dispersion and stability, excellent water resistance. Can be used separately.	water
RD-9612(VS Cytec 6208)	60%	Used for dispersing zinc powder in water-based system, organic pigments and inorganic fillers, with good water resistance.	water
RD-9613(VS Lubrizol S-27000)	100%	Used in water-based inks and color paste systems, mainly for the dispersion of organic pigments.	water
RD-9615(VS DOW 731A)	40%	Used for dispersing inorganic pigments and fillers in water based system, with excellent water resistance.	water
RD-9619	50%	Anionic polycarboxylate dispersant, heavy calcium carbonate dispersant.	water
RD-9710	42%	Sodium polycarboxylate salt dispersing agent, dispersing various inorganic pigments and fillers.	water
RD-9711	44%	High EFFICIENCY scale inhibitor dispersant, used in the grinding process of kaolin, ceramics, barium sulfate, calcium carbonate, clay and other pigments.	water
RD-9712	40%	Anionic electronic ceramic dispersing agent, suitable for grinding and degumming of various ceramic and magnetic materials slurry.	water
RD-9713	40%	Ammonium SALT dispersant, significantly improve the water resistance of the film, used in iron red, iron yellow pulp, all kinds of latex paint production.	water
RD-9714	40%	Dispersing agent for coated paper, widely used in grinding of calcium carbonate, calcium hydroxide, titanium dioxide, kaolin, clay and other pigments.	water
RD-9776	100%	The waterborne system was used to prepare 45% resin free pigment black pulp with excellent effect.	water

Substrate Wetting Agent

Coding	Solid	Features and Applications	Water/solvent
RK-8201 (VS TEGO270)	100%	Good wetting spread, very low surface tension, effectively prevent shrinkage hole, promote flow.	general
RK-8202	100%	Low bubble version of RK-8201.	water
RK-8204 (VS Momentive 1211)	100%	Super wetting agent without hydroxyl group, very low surface tension, surface tension of aqueous solution is 20-21Mn /m.	general

Coding	Solid	Features and Applications	Water/solvent
RK-8205 (VS Momentive L-77)	100%	Unstable foam, substrate wetting agent, excellent spreading ability and low surface tension.	water
RK-8206 (VS Tego245)	100%	Hydrophilic organic modified siloxane substrate wetting agent.	general
RK-8207	100%	Non-silicon substrate wetting agent, does not affect recoating and adhesion, suitable for waterborne coatings, glue, etc.	general
RK-8208 (VS BYK348)	100%	Very low surface tension, slight foam stabilization, does not provide smooth effect, leveling effect is good.	water
RK-8209 (VS TEGO4100)	100%	Gemini structure silicone substrate wetting agent, very low surface tension, excellent spread area, low foam, good leveling.	water
RK-8210	100%	Very low surface tension, suitable for light curing systems.	water
RK-8211	100%	Environmental friendly oil - philic non - ionic wetting agent, reduce surface tension, HLB value 13.0.	water
RK-8212 (VS DOWSIL 5211)	100%	Silicone wetting auxiliaries, used in water-based leather paints and agricultural wetting agents.	water
RK-8230	100%	Non-ionic oleophilic wetting agent, reduce surface tension, high efficiency wetting, HLB value 13.0.	water
RK-8235	100%	Non-ionic hydrophilic wetting agent, high efficiency wetting, HLB value 17.5, freezing point 15°C.	water
RK-8302 (VS Surfynol 440)	100%	Modified alkynyl diol structure, good compatibility, no recoating effect, good dynamic wetting, low foam stability.	water
RK-8303 VS Surfynol 465)	100%	Non-ionic surfactants have excellent properties for reducing surface tension of water-based systems, especially for reducing dynamic surface tension.	water
RK-8305 VS Surfynol 607)	100%	Unique ultra-low VOC, low foam, non-ionic wetting agent for high performance water based systems.	water

Leveling Agent

Coding	Solid	Features and Applications	Water/solvent
RF-7333 (VS BYK333)	100%	Silicone leveling agent, express leveling, prevent Benard vortex, feel smooth.	general
RF-7450 (VS Tego 450)	100%	Silicone leveling agent, express leveling, prevent Benard vortex, feel more slippery.	solvent

Coding	Solid	Features and Applications	Water/solvent
RF-7560	100%	Reduces surface tension, resists shrinkage, provides smoothness, does not affect recoating, can be used instead of oil resistant.	solvent
RF-7460 (VS BYK300/EFKA3030)	100%	High compatibility, good recoating, excellent flow promotion, provides substrate wettability.	general
RF-7465 (VS TEGO410)	100%	Silicone leveling agent, provide smooth feel, mirror leveling, anti shrinkage, prevent Benard vortex.	general
RF-7480 (VS TEGO432)	100%	Light curing system wetting leveling, anti shrinkage hole, scratch resistance, low foam stability and varnish compatibility.	solvent
RF-7490 (VS TEGO1484)	100%	Silicone leveling agent, help to eliminate foam, do not affect recoating, anti shrinkage hole, fast leveling, smooth feel.	solvent

Solvent-based Defoaming Agent

Coding	Solid	Features and Applications	Water/solvent
RP-6020 (VS AFCONA 2020)	100%	Environmental protection non - silicon defoaming agent, fast defoaming, does not affect the recoating.	solvent
RP-6800 (VS Elements 6800)	100%	Silicone defoaming agent, strong ability of defoaming, used in epoxy system.	solvent
RP-6068 (VS Elements 6500)	100%	Silicone defoaming agent with higher defoaming efficiency.	solvent
RP-6080 (VS BYKA530)	100%	Modified polymer and silicone defoaming agent, good compatibility, strong defoaming efficiency, does not affect the luster.	solvent
RP-6297 (VS BYK A535/555)	100%	Non-silicon defoaming agent, used in unsaturated resin, epoxy resin system, plastic track, adhesive and other fields, no gas silicon, good transparency.	solvent
RP-6303 (VS byk A500)	100%	Non-silicon defoaming agent for unsaturated polyester resins and polyurethanes as well as epoxy systems.	solvent

Water-based Defoaming Agent

Coding	Solid	Features and Applications	Water/solvent
NXZ	100%	Mineral oil polyether type, water-based paint general antifoaming agent, good compatibility, do not float oil varnish.	water
RP-6210 (VS TEGO810)	100%	Water-based silicone defoaming agent, excellent breaking and defoaming effect, it is recommended to add before grinding.	water
RP-6213 (VS TEGO902w)	25%	Water-based silicone antifoaming agent with good compatibility and remarkable antifoaming effect.	water
RP-6285 (VS TEGO9825)	25%	Non - ionic modified silicone defoamer with good compatibility and rapid foaming.	water
A10	100%	Molecular antifoaming agent, excellent antifoaming and antifoaming, good compatibility, strong versatility.	water
RP-6217(VS WBA)	100%	Mineral oil defoaming agent, rapid foaming, high cost performance.	water
RP-6290	30%	Non-silicon high carbon alcohol emulsion antifoaming agent has the characteristics of good dispersion, fast degassing and strong dynamic antifoaming ability.	water
RP-6295	25%	Excellent defoaming persistence, especially suitable for landfill leachate treatment and chemical industry process cleaning process.	water
RP-6296	100%	Water-based SILICONE antifoaming AGENT, EXCELLENT ANTifoaming effect in grinding stage, very good compatibility, high efficiency, especially suitable for pure propylene emulsion.	water
RP-6299	50%	The modified organosilicon emulsion is used in pure propylene, styrene-acrylic emulsion system, PU dispersion and acrylate emulsion.	water
RP-6298	100%	Molecular grade silicon-containing defoamer for WATER-based industrial paints, INORGANIC coatings, and inorganic hybrid WATER-based industrial paint systems.	water
RP-6301	100%	Silicone defoaming agent for aqueous acrylic emulsion.	water
RP-6302	100%	Used for emulsion synthesis, high gloss pure propylene, phenylpropyl and acetate propyl coatings, water-based alkyd paint defoaming agent.	water
RP-6305	30%	Silicone defoaming agent, used in metal cutting fluid defoaming agent.	water
RP-6337(VS Surfynol 104E)	50%	Alkynyl diol surfactant belongs to Gemini non - ionic surfactant. It has wetting, leveling, defoaming and other functions.	water

Solvent Based Functional Auxiliaries

Coding	Solid	Features and Applications	Water/solvent
RT-3040	100%	Odor masking agent to weaken the solvent odor of the system.	solvent
RT-3050	100%	Grinding assistant, shorten the grinding time, grinding powder quickly.	solvent
RT-3060	100%	Provide a smooth feel additive.	solvent
RT-3064	100%	Smooth feel stiffening wear-resisting agent, modified silicone feel agent.	solvent
RT-3080	100%	PU dehydrating agent can react with the water in the system to achieve the purpose of dehydration and improve the storage stability of the system.	solvent
RT-3152	100%	Anti-ultraviolet absorbent, can strongly absorb 270-340nm ultraviolet light, and good compatibility.	solvent
RT-3153	100%	Whitening agent, good heat stability, good whitening effect.	solvent
RT-3418	100%	Epoxy toughening agent, good compatibility with all kinds of resins, significantly improve the impact resistance and cup protruding properties, structural adhesive to improve the resistance to freeze brittleness.	solvent
RT-3419 (VS Surfynol K54)	100%	Epoxy catalytic promoter, low odor, no formaldehyde, light color, yellowing resistance.	solvent
171	100%	Vinyl trimethoxy silane. Used as a crosslinking agent for crosslinking polyethylene.	solvent
RT-3163	100%	Heat resistant boiling additive.	solvent
K54/AMP30	100%	Amine drying agent, accelerate the amine reaction curing.	general
RT-3090	100%	Conductive agent, adjust the resistance range to meet the resistance needs of electrostatic coating.	general
RT-3147	100%	Non - polluting antioxidant, effectively control the thermal degradation of air oxidation.	general

Water-based Functional Auxiliary

Coding	Solid	Features and Applications	Water/solvent
RT-3117	50%	The orientation of silver powder based on water is improved obviously.	water
RT-3125	70%	Water - based anti - skinning agent, prevent coating skinning, improve coating stability.	water
RT-3132	50%	Water - based acrylic drying agent for rapid curing in water - based alkyd, acrylic and polyurethane systems.	water

Water based functional auxiliaries

Coding	Solid	Features and Applications	Water/solvent
RT-3139	45%	Organic salt liquid anti-flash rust agent, suitable for waterborne industrial paint.	water
RT-3140	100%	Anti-flash rust agent for waterborne industrial paint.	water
RT-3510	100%	Special anti-flash rust agent for submerged arc welding.	water
RT-3142	50%	Modified wax emulsion, lotus leaf effect hydrophobic agent.	water
RT-3148	50%	Water - based paint cooling agent, shorten baking time, reduce baking temperature. Good storage stability.	water
RT-3158	60%	Anti-graffiti additive. Excellent wipe resistance of oil pen. Improve the film smoothness, with excellent resistance to tape tear stripping. Excellent hydrophobic and oily, can help the coating increase the water contact Angle up to 95°. Contains hydroxyl functional group, can participate in the crosslinking reaction, has a long-term easy cleaning effect.	water
RT-3411	28%	Liquid whitening agent, high whitening efficiency, good compatibility with cellulose.	water
RT-3412	100%	Cold water instant color protective adhesive, high crosslinking strength, good stability at low temperature.	water
RT-3151	100%	Water in water color isolation protective agent.	water
RT-3512	55%	Anti-graffiti assistant, suitable for water-soluble resin system, improve hydrophobic and oil-phobic, anti-marker wiping.	water

Thickener And Fungicide

Coding	Solid	Features and Applications	Water/solvent
ASE-60	28%	Acrylic thickener, low shear, water phase thickening, excellent water retention.	water
935	30%	Acrylic thickener, medium shear, hydrophobic strong association, improve film fullness.	water
8W	25%	Polyurethane thickener, medium shear, better thickening, provides KU year, improved fullness.	water
2020	20%	Polyurethane thickener, high shear, excellent leveling	water
RT-3159	48%	High content polyurethane thickener to improve medium and low high shear viscosity.	water
12W	35%	Polyurethane thickener to improve low shear viscosity.	water

Thickener And Fungicide

Coding	Solid	Features and Applications	Water/solvent
RT-3160	100%	HEC domestic cellulose, stone paint latex paint universal, good dispersion, mildew resistance degradation.	water
RT-3310	30%	Association and alkali swelling thickener, thickening belt leveling, long-term storage without stratification.	water
RT-3311	30%	Strong pseudoplastic alkali swelling thickener, high thickening efficiency, provides low shear viscosity.	water
RT-3312	30%	Colorful special thickening agent, high thickening efficiency, sand in water anti delamination, good loose atomization.	water
AMP-95	95%	Neutralizing agent, high efficiency, full volatilization, slight ammonia flavor, does not affect water resistance, no yellowing.	water
LXE	2.5%	Bivalent copper ion fungicide, copper salt stabilized CMIT/MIT complex, does not contain formaldehyde.	water
RT-3313	2.5%	Kason acetal sterilization, long lasting, gas phase sterilization, production of the last step added.	water
RT-3315	3%	One price pure Kasone fungicide, environmental protection does not contain formaldehyde, avoid high temperature strong alkali environment use.	water
RT-3316	75%	Temperature and alkali resistance long - term sterilization, formaldehyde release, suitable for all water-based systems.	water
RT-3317	10%	Environmental protection, temperature and alkali resistance, long-term sterilization, good compatibility, suitable for all water systems.	water
RT-3318	3%	Environmental protection long-acting preservative can be used alone, temperature and alkali resistance, suitable for water system.	water
RT-3319	30%	Environmentally friendly dry film anti - mildew, no irritation to skin and eyes.	water

Anti-settling Agent

Coding	Solid	Features and Applications	Water/solvent
6500 (VS DISPARLON AQ600)	20%	Water - borne polyamide anti - sedimentation wax slurry, good dispersion and anti - sedimentation, anti - hanging.	water
RT-3415 (VS BYK 605 /607)	100%	Used FOR sealant, industrial paint, structural adhesive, etc., to improve thixotropic tissue flow, it must be matched with air silicon, the dosage is 20-50% of air silicon.	solvent

Adhesion Enhancer

Coding	Solid	Features and Applications	Water/solvent
RT-3110	100%	Water-based bonding agent, aminosilane adhesion auxiliaries, improve the adhesiveness between resin and powder and base material.	water
RT-3136	60%	Water-based POLYESTER PHOSPHATE ester improves adhesion to aluminum, zinc and their alloys, cold rolled steel plate, stainless steel, electroplating substrate and some PET substrates, and increases the water resistance and salt spray resistance of the film. High temperature baking without discoloration.	water
RT-3164(VS KH560)	100%	Epoxy functional silane polymer used for attaching inorganic substrates such as glass, ceramics and concrete.	general
RT-3165(VS MP200)	100%	Rt-3165 obviously promotes the adhesion of paint film (adhesive) with a variety of inorganic substrates.	general
RT-3115	100%	Glass paint binder, increase the adhesion of air - dry film to the hard to adhere to the substrate.	solvent
RT-3119	100%	Silane coupling agent has good adhesion effect on polyurethane system, and has no reaction.	solvent
OL-1	100%	N-(2-aminoethyl) -3-aminopropyl trimethoxy silane.	solvent
OL-2	100%	3-aminopropyl triethoxy silane.	solvent
OL-3	100%	N-octyl triethoxy silane	solvent
OL-4	100%	Ethyl orthosilicate	solvent
OL-5	100%	3-methylacryloxypropyl trimethoxysilane	solvent
OL-6	100%	Bis -[3-(triethoxysilicon) -propyl] -tetrasulfide	solvent
OL-7	100%	Double -[3-(triethoxysilicon) -propyl] -disulfide	solvent
OL-8	100%	3-isocyanate propyl trimethoxy silane	solvent

Solvent

Coding	Solid	Features and Applications	Water/solvent
Film-forming agent	100%	Water - based latex paint film - forming agent, the effect is better than alcohol ester 12, odor is very low colorless transparent high boiling point oxygen-containing solvent.	water
Benzyl alcohol	100%	It is USED IN THE field of EPOXY materials, pharmaceutical synthesis, photographic developer, ink solvent, deodorant and plasticizer in textile dyeing auxiliaries.	general
692	100%	Epoxy active diluent, stable in winter without crystallization, excellent viscosity reduction.	solvent
AGE	100%	Epoxy active diluent	solvent



Extensive Global Supply Chain

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