

Solution for silicone release agent

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Product
Bochure



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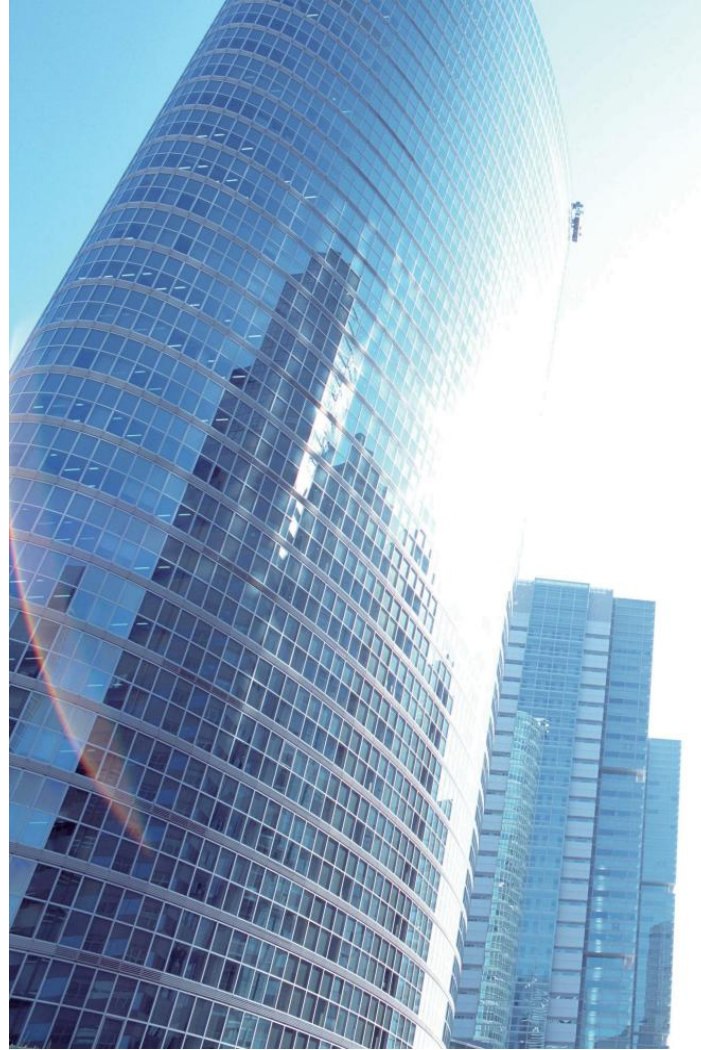
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ABOUT RUIJIANG GROUP

Ruijiang Group was established in 1999, headquartered in Hangzhou city, China. We created an ISO certified quality control lab in Hangzhou to validate quality and maintain samples on all that we sell. We are one of the top 10 silicone exporters in China and an aggregator of the best quality and sources China has to offer. With 70% of the global Silicon metal, Silicone monomer and silicones and silanes coming from China, we distinguish ourselves from rest.

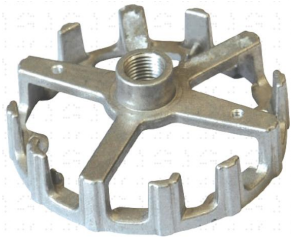
Hangzhou Ruijiang Chemical Co. Ltd, branded as RUISIL, is subsidiary of Ruijiang Group. RUISIL is a technology-based chemical company, focusing on research and application of new silicone material and technology, which provides silicone products & solution to Building & Construction, Cosmetics, Automotive, Agriculture, Textile, Coating & painting, Pharmaceuticals, Adhesives and Sealants, Cleaning Chemicals, etc. Our product line is broad and covers many Silicones and Silanes. We have grown significantly since our early beginning and continue to add value like Product Liability insurance, Europe & US Company, local inventory, A team that works across the world to bring you answers within 24 hours and tracks and follows your shipments until they reach your door. We work together closely so that you experience seamless customer service!



ECONOMIC 、 EFFECTIVE AND ENVIRONMENTAL FRIENDLY RELEASE AGENT SYSTEM

Ruijiang provides comprehensive customized solutions for many industries such as tires, rubber, plastic materials, polyurethane materials and metal die casting.

Our range of RUISIL Silicone products creates an efficient product portfolio not only to suit different industries and processing forms, but also from around the world market demand.



Dimethyl Silicone Oil (emulsion)

Product	Chemical Name	Active Content	Key Index	Application
RJ-201	Polydimethylsiloxane	100%	Viscosity (25°C), cst: 50~1,000	Lubricating agent for textile threads Heat protecting agent Release agent Lubricants .etc
			Viscosity (25°C), cst: 5,000~60,000	
			Viscosity (25°C), cst: ≥ 60,000	
RJ-6618★	Polydimethylsiloxane Emulsion	58-62%	Viscosity of the base fluid (25°C), cst: 350 nonionic	Rubber and plastic release agent polishing agent
RJ-6018		62-66%	Viscosity of the base fluid (25°C), cst: 350 nonionic	Rubber and plastic release agent polishing agent
RJ-6018H		62-66%	Viscosity of the base fluid (25°C), cst: 1000 nonionic	Rubber and plastic release agent polishing agent
RJ-6018-35		33-37%	Viscosity of the base fluid (25°C), cst: 350 nonionic	Rubber and plastic release agent polishing agent
RJ-6019A★	High-molecular-weight polydimethylsilicone dispersion	77-83%	Viscosity (25°C) cst: 80,000~650,000	Additives for various water-based coatings and ink systems Rubber release agent

Hydroxyl Silicone Oil (emulsion)

Product	Chemical Name	Active Content	Key Index	Features	Application
RJ-107	Hydroxyl silicone oil	100%	Viscosity (25°C), cst: 5,000~80,000	Easy to disperse	Release of household and engineering automobile tires; Polyurethane materials, etc
RJ-H107		100%	Molecular weight: 500,000~1,000,000	Ultra high viscosity Excellent release performance	
RJ-6012-4★	Hydroxyl silicone oil emulsion	40-44%	Anionic PH:7.5-8.5	High viscosity Excellent film formation	Polyurethane and rubber release agents Plastic release agent Textile brightener
RJ-6012-5		48-52%	Anionic PH:7.5-8.5		
RJ-6012H-5		48-54%	Viscosity of the base fluid (25°C), cst: > 1,000,000 Anionic PH:5.5~7.5	Ultra high viscosity Excellent release performance	Release of household and engineering automobile tires; Polyurethane materials, etc
RJ-6012H-6		59-64%	Viscosity of the base fluid (25°C), cst: > 1,000,000 Anionic PH:6~8		

Alkyl Silicone Oil (emulsion)

Product	Chemical Name	Active Content	Key Index	Features	Application
RJ-6115★	Long-chain alkyl silicone oil	100%	Viscosity (25°C), cst: 900~1,500	Matte Products, Paintable	Isolation lubrication Plastics, Rubber, PU release agent
RJ-6115A		100%	Viscosity (25°C), cst: 100~1,000		
RJ-6115B		100%	Viscosity (25°C), cst: 500~2,000		
RJ-6115A-50	Long-chain alkyl silicone oil emulsion	48-52%	Viscosity of the base fluid (25°C), cst: 100~1,000 PH: 6~9 Suitable diluent: Water	Matte Products, Paintable	Isolation lubrication Plastics Rubber, PU release agent
RJ-6115B-50		48-52%	Viscosity of the base fluid (25°C), cst: 500~2,000 PH: 6~9 Suitable diluent: Water		
RJ-6115W-50	Silicone wax emulsion	30-35%	Suitable diluent: Water Melting point (°C): < 100	Low Addition Amount Good release effect	General-purpose mold release agent

Aryl Alkyl Silicone Oil (emulsion)

Product	Chemical Name	Active Content	Key Index	Features	Application
RJ-6017★	Aryl alkyl silicone oil	100%	Viscosity (25°C), cst: 1,500~1,900	Processing temperature (°C): 300-350 Common molded parts	Metal die casting mold release (Al alloys)
RJ-6017A		100%	Viscosity (25°C), cst: 1,000~1,500	Die casting machine 2,000-3,000t	Metal die casting mold release (Al, Mg, Zn, Pb alloys, etc.) Mobile phone parts, light and thin molded parts.)
RJ-6017B		100%	Viscosity (25°C), cst: 4,500~5,500	Processing temperature (°C): 450-500 Die casting machine > 3,500t	Metal material isolation lubrication (large and thin molded parts)
RJ-6017C		100%	Viscosity (25°C), cst: 1,000~1,800	Lubricant for aluminium machines without boundary additives	Metal material isolation lubrication
RJ-6017-50★	Aryl alkyl silicone oil emulsion	48-52%	Suitable diluent: water Nonionic PH 6~9	Processing temperature (°C): 300-350 Common molded parts	Metal die casting mold release (Al alloys)
RJ-6017A-50		48-52%	Suitable diluent: water Nonionic PH 6~9	Die casting machine 2,000-3,000t	Metal die casting mold release (Al, Mg, Zn, Pb alloys, etc.) Mobile phone parts, light and thin molded parts.
RJ-6017B-50		48-52%	Suitable diluent: water Nonionic PH 6~9	Processing temperature (°C): 450-500 Die casting machine > 3,500t	Metal material isolation lubrication (large and thin molded parts)

Silicone Resin

Product	Chemical Name	Active Content	Key Index	Application
RJ-6117S★	Silicon resin	100%	Viscosity (21°C), cst: 850	PU products, Semi-permanent release
RJ-6217S	Silicon resin	100%	Viscosity (25°C), cst: 350	PU products, Rubber and plastic release agent Semi-permanent release
RJ-6317S★	Silicon resin	100%	Viscosity (25°C), cst: 260	PU products, Rubber and plastic release agent Semi-permanent release
RJ-D1912A★	Silicon resin	100%	Viscosity (25°C), cst: 500	PU products, Plastics, Adhesives and elastomers products release agent

Others

Product	Chemical Name	Active Content	Key Index	Application
RJ-6014E★	Amino-silicone oil emulsion	28~32%	Viscosity of the base fluid (25°C), cst: 500~10,000 Weak cationic Ammonia value: 0.2~0.6 PH 6.0~8.0	Used for modification and compounding of release agent
RJ-202	Hydrogen silicone oil	100%	Viscosity (25°C), cst: 17~25 Hydrogen Content,%:≥1.55	Used for silicone oil modification
RJ-202E★	Hydrogen silicone oil emulsion	50%	Nonionic PH 3.0~7.0	Used for modification and compounding of release agent
RJ-D605	Finished release agent	80-90%	PH 5.0~7.0 Suitable diluent: Water Universal release agent	Release of high-pressure cement pipes, bridges, floor slabs and building components; Release of wood, metal, resin, etc
RJ-D5101	Finished release agent	26.5-27.5%	Nonionic PH:6-7	PU soles and insoles release agent Polyurethane and rubber release agent Lubricant and anti-sticking agent Phenolic and epoxy mold release agent
RJ-D5102		25%	Nonionic PH:6-7	

Product Applications

Product	Metal Die cast	Polyurethane	Rubber / Plastic	Tire	Concrete
RJ-201			√	√	
RJ-6618★			√	√	
RJ-6018			√	√	
RJ-6018-35			√	√	
RJ-6018H			√	√	
RJ-6019A★			√	√	
RJ-107		√	√	√	
RJ-H107		√	√	√	
RJ-6012-4★		√	√	√	
RJ-6012-5		√	√	√	
RJ-6012H-5		√	√	√	
RJ-6012H-6		√	√	√	
RJ-6115★		√	√		
RJ-6115A		√	√		
RJ-6115B		√	√		
RJ-6115A-50		√	√		
RJ-6115B-50		√	√		

Product Applications

Product	Metal Die cast	Polyurethane	Rubber / Plastic	Tire	Concrete
RJ-6115W-50		√	√		
RJ-6017★	√		√		
RJ-6017A	√		√		
RJ-6017B	√		√		
RJ-6017C	√		√		
RJ-6017-50★	√		√		
RJ-6017A-50	√		√		
RJ-6017B-50	√		√		
RJ-6117S★		√			
RJ-6217S		√	√	√	
RJ-6317S★		√	√	√	
RJ-D1912A★		√	√	√	
RJ-6014E★		√	√		
RJ-202	√		√	√	
RJ-202E★			√	√	
RJ-D605					√
RJ-D5101		√			
RJ-D5102		√			

