



www.sixinchem.com/www.sixindefoamer.com

#### **■ SIXIN TECHNOLOGY GROUP**

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Global Professional Defoamer Manufacturer



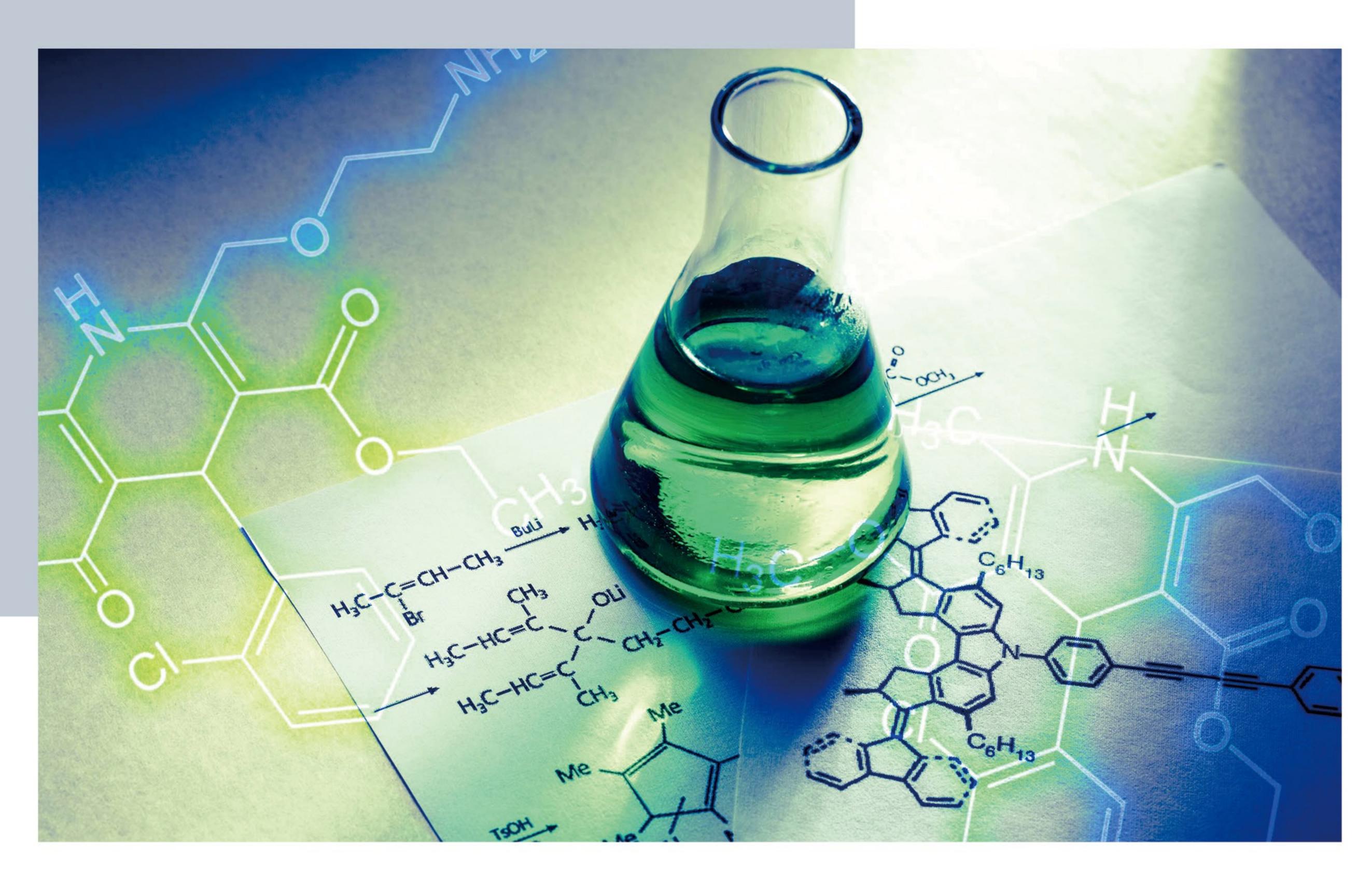
### COMPANY PROFILE

Jiangsu Sixin Technology Application Research Institute Co., Ltd. is a high-tech enterprise founded by Mr. Cao Zhiping in 1992, specializing in the research, development, production and sales of defoamers.

The headquarter is located in the beautiful Nanjing Mufu Innovation Town, China, and the production base is located in Yangzhou Yizheng High-tech Pioneering Park and Anhui Chuzhou Economic Development Zone. With branches all over the world, the company has strong technology and research and development capabilities. It is the drafting unit of the national standard for the defoamer industry. Product Certification Enterprise", "National Intellectual Property Demonstration Enterprise", "National Excellent Patent Award", "Provincial Specialized Special New Little Giant Enterprise", "Nanjing Famous Trademark".



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### TECHNICAL ADVANTAGES

The company's research institute is mainly engaged in the research and development and application research of defoamer technology. The research institute has complete facilities with a 5000m<sup>2</sup> technical center and nearly 10 R&D, analysis and application laboratories. Up to now, it has obtained 139 domestic authorized patents and 13 international authorized patents, and has a relatively high influence in my country's defoamer industry.

A technology research and development and service organization with strong comprehensive service capabilities, engaged in the technology research and development of "related functional chemicals" and "green chemicals/defoamers". The company's products are exported to 19 countries and regions at home and abroad, and it has formed cooperation with many Fortune 500 companies to provide customized foam solutions.

Enterprise

2008 2011 2015 Established Nanjing Sixin National High-Tech National Torch Jiangsu Province Defoamer Engineering Technology Research Center Technology Research Institute

Program Project

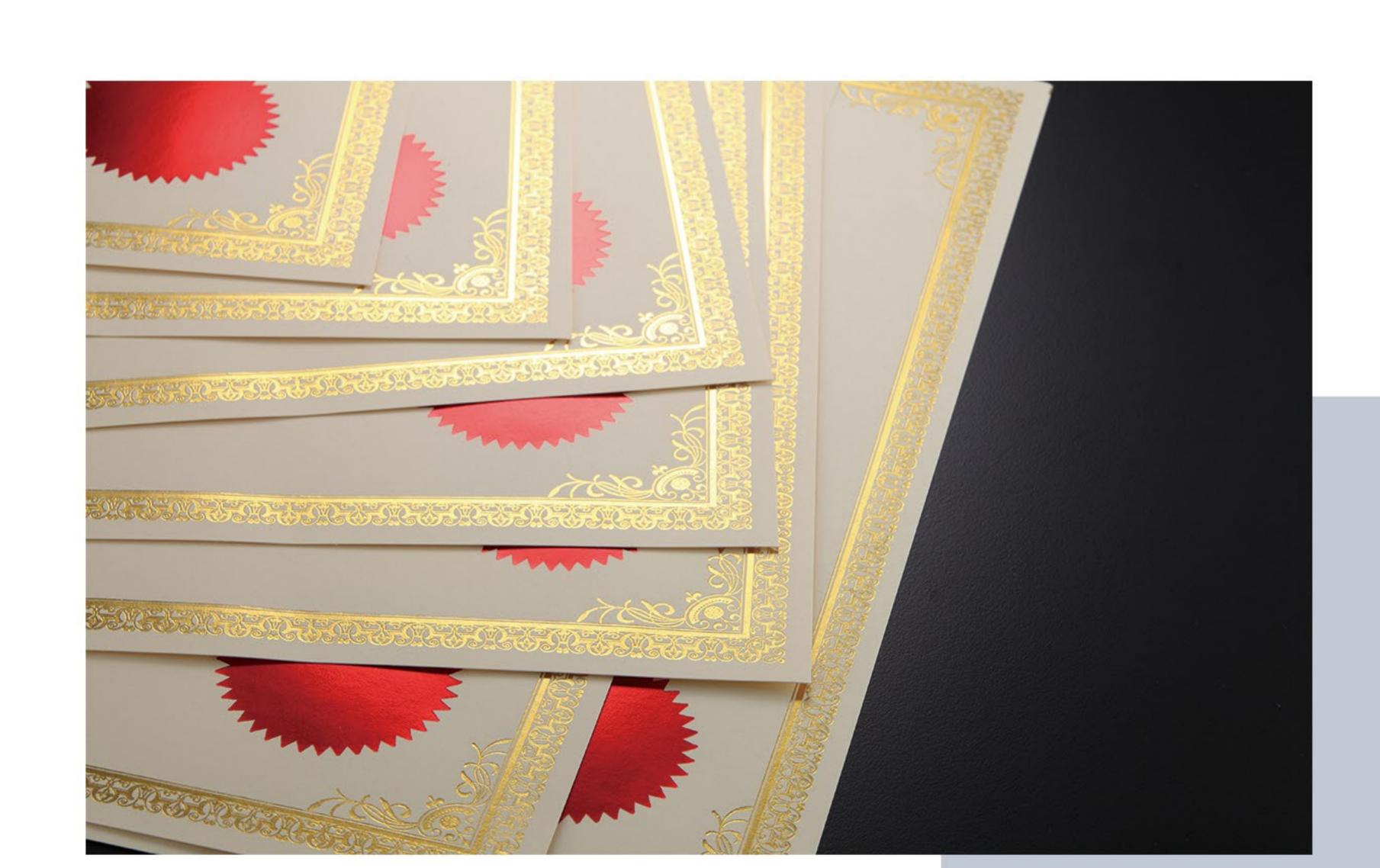


2018

Jiangsu Provincial Enterprise Technology Center

National "specialized, special and new" small giant enterprise

National Intellectual Property Demonstration Enterprise



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# INDUSTRY APPLICATION RECOMMENDATION



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### PAPER INDUSTRY



### Recommended Products

	Typi	cal propertie	es	Advantages	Application field	
	Solid content	pH value	Viscosity(cps)			
G-20XV		4.0-7.0		Adding it into the powder as an antifoaming agent does not affect the appearance, and at the same time has efficient antifoaming performance.	washing powder	
G-20XFG-1	l /	4.0-7.0		Adding it into the powder as an antifoaming agent does not affect the appearance, and at the same time has efficient antifoaming performance.	washing powder	
998080	100%	/	3500-5500	Added to laundry detergent as a formula, it has better compatibility with the system.	laundry detergent	
X-8054	40.0±2.0%	6.5-8.5	8000-18000	Added to laundry detergent as a formula, it has better compatibility with the system.	laundry detergent, softener	



### Recommended Products

	Тур	oical propert	ies	Advantages	Application field
	Solid content	pH value	Viscosity(cps)		
99760	63.0±3.0%	6.5-8.5	15000-50000	Silicone product, fast defoaming, excellent anti-foaming performance in the later stage, good dilution stability	Paper pulping, sewage treatment
99300LGZ	29.0±1.0%	6.0-8.0	300-900	Low temperature and low speed paper machine (white water 20-40°C), does not affect sizing, good degassing, high cost performance	Papermaking, sewage treatment
99300HGZ	29.0±1.0%	6.0-8.0	300-1500	High temperature and high speed paper machine (white water 45 ~ 55°C), does not affect sizing, good degassing, high cost performance	Papermaking, sewage treatment
99500Q	90.0±5.0%	4.0-7.0	150-300	Low-temperature polyether product (25-45°C), excellent defoaming and anti-foaming performance, less dosage, suitable for systems with large dosage of dry and wet strength additives	Papermaking, coating, sizing
99500E	90.0±5.0%	4.0-7.0	150-300	High-temperature polyether product (35-60°C), excellent anti-foaming performance, less dosage, suitable for systems with large dosage of dry and wet strength additives	Papermaking, coating, sizing

# TEXTILE INDUSTRY



### Recommended Products

	Typical properties			Advantages	Application field	
	Solid content	pH value	Viscosity(cps)			
X-35C	15.0±1.0%	6.5-8.5	4000-9000	The product has good stability, good compatibility with the application system, and is not easy to decay	Metalworking fluids, industrial cleaning, textile industry	
S-29	38.5±1.0%	6.5-8.5	7000-14000	Fast defoaming speed at room temperature 80°C, and good stability in alkaline environment (PH8.0-11.0)	Textile printing and dyeing (pretreat ment and cotton dyeing), sewage treatment, emulsion polymerization, pesticide preparation	
ND-130T	30.0±1.0%	6.5-8.5	20000-60000	Excellent anti-foam performance during medium and high temperature dyeing (60°C-130°C)	Textile polyester dyeing	
S-2250	25.0±1.0%	6.5-8.5	2000-8000	It is a dilutable defoaming liquid, which is used in conventional surfactants and polymer foaming systems	Textile printing and dyeing (cotton dyeing), sewage treatment, industrial cleaning	

# Building materials industry



### Recommended Products

	Typi	cal properti	ies	Advantages	Application field	
	Solid content	pH value	Viscosity(cps)			
CS-8810	>99.0%	5.0-8.0	100-300	High molecular weight without obvious cloud point, can maintain good stability in low temperature and high temperature environment	Building material admixture (water reducing agent)	
CS-1817	>99.0%	4.0-7.0	100-600	Excellent water solubility, very high de- foaming rate at room temperature, per- fect compatibility with various systems	Building material admixture (water reducing agent)	
3-20A-10		6.0-9.0		In various systems, it can maintain a good defoaming efficiency without affecting the fluidity	Special mortar (self-leveling, grouting material, grouting material)	
95018S		5.0-7.0		Under the excellent defoaming effect, it maintains high compatibility and greatly reduces the risk of oil slick and black water temperature	Special mortar (self-leveling, grouting material, grouting material)	

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### PAINT INDUSTRY INDUSTRIAL



### Recommended Products

Typical properties				Advantages	Application field
	Solid content	pH value	Viscosity(cps)		
CS-07AC	100%		200-2000	Rapid defoaming, effective for breaking microfoam, and excellent persistence. 30-50% less dosage than traditional mineral oil defoamers.	Latex paint, real stone paint, col- orful paint, general industrial paint, adhesive, water-based ink
990856			3000-13000	Fast foam breaking with long-lasting performance. High cost performance. Recommended for waterborne architectural coatings.	Latex paint, real stone paint, col- orful paint
CS-502C		5.0-7.0	500-3000	Strong anti-foaming ability, suitable for high-viscosity elastic coatings. No residual microbubbles, making the coating film more smooth without defects. Little effect on gloss.	High build coatings, adhesives
995400C	/	/	500-2500	General-purpose defoamer, breaks quickly and has good compatibility.	Latex paint, real stone paint, col- orful paint, water-based ink
CS-1000	98.0%		1000-4000	Strong defoaming. It is especially suitable for solvent-based systems with high solid content and high film thickness.	Paint, ink



#### Recommended Products

	Ty	pical prope	rties	Advantages
	Solid content	pH value	Viscosity(cps)	
X-4701	14.5±1.0%	6.5-8.5	2000-7000	Low content of silicone, slightly better compatibility, fast instantaneous defoaming speed, good dispersion of small molecules
TL-56N	99.8%		500-1000	Bulk silicone polyether defoamer, fast de- foaming speed, strong foam suppression abili- ty, excellent compatibility, good compatibility
CS-1553A	30.0±1.0%	6.5-8.5	1000-5000	It has a certain defoaming speed, strong anti- foaming ability, good compatibility, and good compatibility in cleaning agents
CS-4800T		5.0-8.0	300-800	It has good compatibility with the application system (cleaning agent, metalworking fluid), and has strong antifoaming performance. In a strong alkaline environment (pH 12.0) the anti-foam performance is better

Application field

Metalworking fluids, cleaning agents,

Metalworking fluid, water treatment,

cleaning agent

lubricating oils, hydraulic oils, adhe-

Industrial cleaning, water-based adhesives, industrial circulating cooling water treatment, papermaking and papermaking, papermaking sewage treatment, textile starch slurry Industrial cleaning, metal processing, power plant desulfurization

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# PETROLEUM INDUSTRY

## GENERAL INDUSTRY



### Recommended Products

	Typical properties			Advantages	Application field	
	Solid content	pH value	Viscosity(cps)			
CS-2335		/	1-15	Water soluble, silicon free, high tem- perature resistance, good product stabili- ty, strong foam suppression performance	Crude oil transportation, oil gas oil water separation, delayed coking, refining and processing	
992334				Fast defoaming speed, strong foam sup- pression performance, stable thermody- namic performance, no delamination and other phenomena when standing	Oil drilling, cement	
X-10C	16.2±1.0%	6.5-8.5	3000-9000	Easily dispersed in aqueous systems, capable of rapid defoaming, excellent defoaming and inhibition performance, and good stability	Cementing, industrial cleaning, water treatment, adhesives	
991620	20-23%	6.5-8.5		Instant defoaming speed and stable defoaming and inhibition performance under medium and high temperature (60 °C - 90 °C) and strong alkali (pH 10.0-14.0) conditions	Gas production, sewage treatment, papermaking and pulping	





### Recommended Products

	Typi	cal properti	es	Advantages	Application field	
	Solid content	pH value	Viscosity(cps)			
Z-50C	49.0±2.0%	6.5-8.5	7000-16000	Concentrated silicone with high content of activity, under the environment of medium and high temperature (60°C-90°C) and strong alkali (pH 10.0-14.0), it can quickly eliminate foam and has outstanding antifoam performance	Sewage treatment, paper pulp washing, textile pulp	
S-2650D	50.0±2.0%	6.5-8.5	6000-10000	Silicone concentrated solution, in the environment of medium and high temperature (60°C-90°C), strong alkali (pH 10.0-14.0), fast dispersion, fast defoaming, and low risk of precipitation	Sewage treatment industrial cleaning	
S-2750D	50.0±2.0%	6.5-8.5	6000-10000	Silicone concentrate, excellent anti-foaming performance in medium-high temperature (60°C-90°C) and strong alkali (pH 10.0-14.0) environment	Sewage treatment paper pulp washing, textile pulp	
Z-25A	25.0±1.0%	6.5-8.5	5000-15000	Silicone products have stable defoaming and antifoaming performance in medium and high temperature (60°C-90°C) and strong alkali (pH 10.0-14.0) environ-	Paper pulping wastewater treatment	

ments, and the instantaneous defoaming speed is fast

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