

南京群兴生物科技有限公司  
Nanjing Qun Xing Biotechnology Co., Ltd.

镇江群兴新型材料有限公司  
Zhenjiang Qun Xing new material Co., Ltd.



▶ 公司简介 Company profile

Zhenjiang Qunxing New Materials Co., Ltd., located in Dantu District, Zhenjiang City, is a specialized medium-sized fine chemical enterprise mainly producing surfactants. Our existing installations can produce 4500 tons of pesticide additives per year, 3000 tons of oilfield chemicals per year, and 3000 tons of defoamer per year. We have long been committed to the research and development, application and production of pesticide surface-active additives, providing technical support and high quality after-sales service for pesticide enterprises. Based on the tenet of "Quality First, Sincere Cooperation, Mutual Benefit and Credibility", we are willing to provide high quality service for domestic and foreign enterprises.



- Pesticide Emulsifiable Concentrate (EC) Additives.....6
- Pesticide Suspension Concentrate (SC) Additives.....9
- Pesticide Water Emulsion (EW) Additives.....10
- Pesticide Oil Flowable Concentrate (OF) Additives.....11
- Pesticide Suspension Emulsion (SE) Additives.....12
- Pesticide Microemulsion (ME) Additives.....13
- Pesticide Wettable Powder (WP) Additives.....14
- Pesticide Aqueous Solution (AS) Additives.....15
- Surfactant Monomer.....17
- Summary of Defoamer Products.....18
- GY-380 Series of Silicone Defoamer.....20
- GY-440 Series of High-efficiency Silicone Defoamer.....21
- GY-GA/GB Series of High-efficiency Solid Silicone Defoamer.....22
- PP-106/107/108 Polyether Series of Degassing Defoamer.....23
- AT-530C/520C Series of Degassing Defoamer.....24
- TS-6200/6300 Silicone Defoamer.....25
- OF-815 Strong Defoamer for Waterborne Coatings.....27
- GY-5023 Series of Defoamer.....28
- XR-300 Defoamer for Glyphosate Aqueous Solution.....29

## Pesticide Emulsifiable Concentrate Additives

### ○ Insecticide, Acaricide Emulsifiable Concentrate (EC) Additives (1)

Name	Formulation	Executive Standard	Name	Formulation	Executive Standard
Chlorpyrifos	40%/45%/48%	GB/FAO	Triazophos	20%/40%	GB/FAO
Methidathion	40%	GB/FAO	Diazinon	25%/50%/60%	GB/FAO
Dimethoate	40%	GB/FAO	Isocarbophos	35%	GB
Phoxim	40%	GB/FAO	Profenofos	40%/50%	GB/FAO
Bifenthrin	2.5%/10%	GB/FAO	Cyhalothrin	2.5%/5%	GB/FAO
Cyfluthrin	5.7%/10%/20%	GB/FAG	Beta-cyfluthrin	2.5%	GB/FAO
Meothrin	10%/20%/30%	GB/FAO	Cypermethrin	5%/10%/20%	GB/FAO
Fenvalerate	20%/40%/50%	GB/FAO	Permethrin	10%/20%	GB/FAO
Alphacypermethrin	5%/10%	GB/FAO	Deltamethrin	2.5%/5%/10%	GB/FAO /WHO
Avermectin	0.5%/1%/1.8%	GB/FAO	Imidacloprid	2.5%/5%	GB/FAO
Acetamiprid	3%/5%	GB/FAO	Hexaflumuron	5%/10%	WHO
Fipronil	5%/10%	GB/FAO	Chlorfenapyr	10%/20%	GB/FAO
Pyriproxyfen	10%/30%/40%/50%	GB/EAC	Lufenuron	5%/10%	GB/FAO
Pyridaben	15%/25%	GB/FAO	Flufenoxuron	5%/10%	FAO
Propargite	40%/57%/73%	GB/FAO	Amitraz	12.5%/20%	GB/FAO
Methomyl	20%/24%	GB/FAO	Fenobucarb	25%/50%	GB

### ○ Herbicide, Microbicide Emulsifiable Concentrate (EC) Additives (2)

Name	Formulation	Executive Standard	Name	Formulation	Executive Standard
Pretilachlor	30%	GB/FAO	Acetochlor	50%/90%	GB/FAO
Butachlor	50%/60%/90%	GB/FAO	Anilofos	30%	GB/FAO
Oxadiazon	12.5%/25%	GB/FAO	Trifluralin	48%	GB/FAO
Flurochloridone	25%	GB/FAO	Oxyfluorfen	25%	GB/FAO
Fluoroglycofen-ethyl	10%/20%	GB/FAO	Pyribenzoxim	5%	GB/FAO
Fenoxaprop-p-ethyl	10%	GB/FAO	Quizalofop-p-ethyl	5%/8%/10%	GB/FAO
Clodinafop-propargyl	10%/25%	FAO	Clethodim	12%/24%	GB/FAO
Clomazone	48%	GB/FAO	Cyhalofop-butyl	10%/18%	GB/FAO
Propiconazole	25%	GB/FAO	Epoxiconazole	2%/2.5%	FAO
Hexaconazole	5%/10%	FAO	Prochloraz	25%/45%/50%	GB/FAO
Triadimefon	20%	GB/FAO	Tebuconazole	25%	FAO
Prothioconazole	25%	GB/FAO	Pyraclostrobin	25%	GB/FAO

### ○ Combination Emulsifiable Concentrate (EC) Additives (3)

Name	Formulation	Executive Standard	Name	Formulation	Executive Standard
Avermectin, Cyhalothrin	3%/5%	GB	Imidacloprid, Cypermethrin	7.5%/12%	GB
Imidacloprid, Methomyl	10%/15%	GB	Propiconazole, Cyproconazole	33%	GB
Propiconazole, Prochloraz	30%/50%	GB	Profenofos, Fipronil	32%	GB
Chlorpyrifos, Imidacloprid	22%/33%/45%	GB	Diazinon, Cyhalothrin	57.5%	GB
Chlorfluazuron, Carbosulfan	25%	GB	Chipton, Oxadiazon, Fluoroglycofen-ethyl	42%	GB
Fomesafen, Clethodim, Clomazone	37%	GB	Clodinafop-propargyl, Cloquintocet-mexyl	19%/30%	GB
Nitenpyram, Pyridaben	25%	GB	Emamectin Benzoate, Lufenuron, Tolfenpyrad	12%	GB
Dimethoate, Cyhalofop-butyl	5.5%	GB	Emamectin Benzoate, Pyriproxyfen	0.8%	GB
Cyhalofop-butyl, Pyribenzoxim	17.5%	GB	Methomyl, Fipronil	26%	GB
Flusilazolel, Myclobutanil	45%	GB	Emamectin Benzoate, Hexaflumuron, CORAGEN	5.2%	GB
Omethoate, Fenvalerate, Cyhalothrin	21%	GB	Isocarbophos, Triazophos	12%/17%	GB
Bifenthrin, Imidacloprid	5%	GB	Clothianidin, Chlorfenapyr	16%	GB
Indoxacarb, Acetamiprid	8%	GB	Avermectin, Hexaflumuron	3%	GB

### Pesticide Suspension Concentrate (SC) Additives

SC-101 has a certain foam inhibition effect, with good dispersibility, suitable for the technical material with low melting point and the suspension system with high content.

SC-102 is phosphate ester dispersant, with strong versatility, suitable for some conventional pesticides.

SC-106 is suitable for the suspension system with low content.

SC-112 and SC-104 are comb-type polymer surfactants, compounded by unsaturated monomer copolymerization, suitable for pesticides with slightly soluble in water and the suspension system which is easy to form ostwaldripening.

SC-107 is a dispersant compounded with special anionic and nonionic surfactants, which is suitable for the suspension system of pesticides containing emamectin benzoate.

NO.	Species	Formulation	NO.	Species	Formulation
1	Emamectin Benzoate	3%/5%	22	Iprodione	25%/50%
2	Tricyclazole	30%/40%	23	Methomyl	35%
3	Thiamethoxam	30%/35%	24	Pyraclostrobin	25%
4	Pymetrozine	25%	25	Carbofuran	35%/48%
5	Pymetrozine-Emamectin Benzoate	17.5%	26	Thiophanate-Methyl	50%
6	Diafenthiuron	25%/50%	27	Azocyclotin	20%
7	Chlorfenapyr	10%/20%/24%/35%	28	Clofentezine	20%/50%
8	Tebufozide	20%/24%	29	Atrazine	38%/50%
9	Thifluzamide	24%	30	Ametryn	50%
10	Pyrimethanil	30%40%	31	Terbuthylazine	50%
11	Carbendazim	40%/50%	32	Prometryn	50%
12	Indoxacarb	15%	33	Benzthiazuron-Diuron	20%
13	Spirodiclofen	24%	34	Benazolin	33%/50%
14	Azoxystrobin	25%	35	Quinclorac	25%
15	Etofenprox	30%	36	Methamidophos	25%/50%
16	Imidacloprid	35%	37	Chipton-Atrazine	45%
17	Tebuconazole	25%/43%/6% FS	38	Indoxacarb-Chlorfenapyr	14%
18	Triadimefon	50%	39	Hexaconazole	5%
19	Flutriafol	2.5%/25%	41	Fipronil	5%/20%
20	Cyproconazole	30%	42	Buprofezin	50%
21	Sulfur	50%	43	Epoxiconazole	50%

## Pesticide Water Emulsion (EW) Additives

EW3117, EW3127, EW127, EW211 are compounded by special anionic and nonionic surfactants with excellent emulsification, wettability, penetration and versatility, which can satisfy most of the water emulsions.

EW3127 is suitable for water emulsion of pyrethroid pesticides, and EW3117 is suitable for water emulsion of 450g/L prochloraz, 37~40% prochloraz-tebuconazole, 30~40% chlorpyrifos and so on.

NO.	Species	Formulation	NO.	Species	Formulation
1	Cyhalothrin	2.5%/5%	12	Propiconazole	25%
2	Deltamethrin	2.5%/5%	13	Carbosulfan	20%
3	Cypermethrin	4.5%/10%	14	Propargite	40%
4	Bifenthrin	2.5%/5%	15	Etofenprox	10%/20%
5	Cyfluthrin	5.7%	16	Penconazole	20%
6	Acetochlor	50%	17	Quizalofop-p-ethyl	5%
7	Propisochlor	50%	18	Emamectin Benzoate	3%
8	Fenoxaprop-p-ethyl	6.9%	19	Avermectin	3%
9	Chlorpyrifos	30%/40%	20	Prochloraz·Tebuconazole	37~40%
10	Prochloraz	25%/45%	21	Prochloraz·Propiconazole	30%
11	Cyhalofop-butyl	10%/20%	22	Emamectin Benzoate·Chlorpyrifos	25%

## Pesticide Oil Flowable Concentrate (OF) Additives

OF-202, OF-204, OF-208 are made of special non-ionic surfactant and anionic surfactant compound, which have good emulsification, stability, abrasive and viscosity-reducing effects. It is widely used in the oil flowable concentrate with methyl oleate, fatty acid methyl ester as medium, which can overcome the solidification and pasting of the oil suspending agent caused by the technical material, solvent and other factors.

OF-301 is compounded by many kinds of special non-ionic surfactants, with strong emulsification performance, widely used in oil suspending agent with soybean oil as medium.

NO.	Species	Formulation
1	Nicosulfuron	4%~20%
2	Nicosulfuron·Atrazine	21%~30%
3	Nicosulfuron·Mesotrione·Atrazine	28~32%
4	Mesotrione	10%~15%
5	Nicosulfuron·Bromoxynil octanoate	12%
6	Bispyribac-sodium	10%
7	Cyhalofop-butyl	20%
8	Penoxsulam·Cyhalofop-butyl	12%
9	Clodinafop-propargyl	15%
10	Pyribenzoxim	8%
11	Mesosulfuron-methyl	3%
12	Quinclorac	25%
13	Oxadiargyl	25%

## Pesticide Suspension Emulsion (SE) Additives

NO.	Species	Formulation	Ratio
1	Propisochlor·Atrazine	40%	24:16
2	Propisochlor·Atrazine	42%	26:16
3	Acetochlor·Atrazine	42%	26:16
4	Acetochlor·Atrazine	40%	20:20
5	Acetochlor·Atrazine	50%	30:20
6	Butachlor·Atrazine	48%	19:29
7	Alachlor·Acetochlor·Atrazine	42%	2:25:15
8	Alachlor·Acetochlor·Atrazine	43%	9:14:20
9	Butachlor·Propisochlor·Atrazine	42%	4:20:18
10	Butachlor·Oxadiazon	50%	41:9

## Pesticide Microemulsion (ME) Additives

NO.	Species	Formulation	NO.	Species	Formulation
1	Cyhalothrin	2.5%/5%/10%	11	Acetamiprid·Beta cypermethrin	5%
2	Beta cypermethrin	4.5%/10%	12	Fipronil	5%
3	Cypermethrin	5%/10%	13	Chlorpyrifos	25%
4	Emamectin Benzoate	2%/3%/5%	14	Avermectin·Chlorpyrifos	15%
5	Avermectin	2%/3%/5%	15	Acetamiprid·Beta cypermethrin	5%
6	Avermectin·Monosultap	20%/30%	16	Bifenthrin	5%/10%
7	Emamectin Benzoate·Monosultap	20%	17	Fluoroglycofen-ethyl	5%
8	Hexaconazole	5%	18	Flusilazole	10%
9	Cypermethrin·Emamectin Benzoate	3.2%/3.5%	19	Quizalofop-p-ethyl·Bentazone	29%
10	Acetamiprid	3%/5%	20	Quizalofop-p-ethyl·Clomazone·Fomesafen	35%

## Pesticide Wettable Powder (WP) Additives

WP-1 is compounded by anionic and nonionic surfactants, with good dispersibility and wettability, and white color. With WP-1, the pesticide can be quickly diffused and disintegrated in water to get fine particles.

WP-2 can be adapted to the wettable powder of most pesticides with low dosage and high cost performance.

WP-3 has good wettability and can be applied to the technical material which are difficult to be wetted.

WP-4 Prochloraz-manganese WP

NO.	Species	Formulation	NO.	Species	Formulation
1	Carbendazim	50%80%	17	Avermectin	5%
2	Imidacloprid	10%25%70%	18	Diniconazole	12.5%
3	Thiophanate-Methyl	70%	19	Isoprocarb	25%
4	Triadimefon	15%25%40%	20	Pyrimethanil	40%
5	Pymetrozine	25%50%	21	Mancozeb·Cymoxanil	72%
6	Carbendazim·Triadimefon	40%	22	Emamectin Benzoate	5%
7	Tricyclazole	20%75%	23	Dimethomorph	50%
8	Thiram	50%80%	24	Pyridaben	20%
9	Tebuconazole	25%80%	25	Atrazine	80%
10	Zineb	65%	26	Ametryn	80%
11	Chlorothalonil	75%	27	Atrazine·Nicosulfuron	50%
12	Iprodione	50%	28	Quinclorac	50%
13	Buprofezin	25%	29	Bensulfuron methyl	10%30%
14	Pyrimethanil	40%	30	Tribenuron-methyl	10%
15	Prochloraz-Manganese·Carbendazim	60%	31	Mefenacet	50%
16	Paclobutrazol	15%25%	32	Diuron	80%

## Pesticide Aqueous Solution (AS) Additives

### Glyphosate Aqueous Solution Additives XR8108

XR8108 is a special additive for glyphosate aqueous solution, which is a compound of anionic surfactant, nonionic surfactant and other additives, with excellent wettability, penetration, and efficacy. It is an environmentally friendly green product, which can be completely biodegradable.

Technical Specification:

Tests	XR8108	
Appearance	Dark yellow liquid	
Solid Content $\geq$	35	
pH (1% aqueous solution)	7~9	
Wettability(s) $\leq$	120	
Storage Stability	54 $\pm$ 1 $^{\circ}$ C	Conforms
	-10 $\pm$ 1 $^{\circ}$ C	Conforms

### Paraquat Aqueous Solution Additives XR8108

XR8208 is compounded by a variety of anionic and nonionic surfactants, which has good compatibility with paraquat mother liquor and good salt resistance, hard water resistance, thickening, wall-hanging, viscosity, anti-freezing and dispersion after use. The additive has a significant synergistic effect, because it makes paraquat quickly wet the surface of plant leaves and stems, promotes the rapid penetration of the formulation into the plant, and enhances the adhesion between the formulation and the leaf surface.

Appearance	Light yellow transparent viscous liquid	
pH (1% aqueous solution)	6~9	
Solid Content $\geq$	45	
Wettability $\leq$	2min	
Viscosity	100~200mpa.s	
Storage Stability	54 $\pm$ 1 $^{\circ}$ C	Conforms
	0 $\pm$ 1 $^{\circ}$ C	Conforms

## Pesticide Aqueous Solution (AS) Additives

### AS-10

AS-10 is compounded by anionic non-surfactant, which has excellent wettability, penetration performance, quick-acting, and herbicidal efficacy at low temperature after use. This series of products are environmentally friendly additives, which can be completely biodegradable. It can be used in 25% fomesafen, 48% bentazone, 48% decamba, 10% imazethapyr, 30% 3,6-dichloropicolinic acid, 24% picloram and other aqueous solution.

Appearance	Light yellow transparent viscous liquid	
pH (1% aqueous solution)	5~8	
Solid Content≥	60	
Wettability(s)≤	2min	
Storage Stability	54±1°C	Conforms
	0±1°C	Conforms

## Surfactant Monomer

### Nonionic Surfactant

Product Category	Type
Styrylphenol Polyoxyethylene Ether(600#)	601、602、603、604
Castor Oil Ethoxylate(BY Series)	BY-110、BY-112、BY-125、BY-140
Nonylphenol Ethoxylate(NP Series )	NP-4、NP-10、NP-15
Primary Alcohol Ethoxylate(AEO Series )	AEO-5、AEO-7、AEO-9
Phenolic Resin Ethoxylate	404#、700#
PO/EO Block Polyether	33#(1601)、34#(1602)

### Anionic Surfactant

Product Category	Type
Calcium Dodecylbenzenesulfonate	505、506
Aromatic Alkyl Polyoxyethylene Ether Sulfate	Sopa-270
Phosphate Ester	601p、NP10p
Polycarboxylate	SC112

## Summary of Defoamer Products

Product	Active Content	Application
PP- Polyether		
106/107/108	100	Fatty alcohol polyether type, used for degassing in papermaking
130	100	Glycerol polyether type, used for fermentation and water treatment
150	100	Modified ethylene glycol polyether, used for fermentation, water treatment and cleaning
OF- Modified Mineral Oil		
260	100	Modified mineral oil products, used for ink reprocessing, water-based emulsion paints and water treatment
262	100	Modified mineral oil products, used for water-based coatings, inks and other industries where silicone cannot be used
263	100	Modified mineral oil products, used for water-based coatings, ink grinding, elastic pulling of high-viscosity emulsion systems and other industries where silicone cannot be used
SP- Silicone-Polyether		
390/391/392	100	Polyether-modified silicones, used for water-based and oil-based coatings and inks
397	100	High-temperature resistant silicones, special defoamer for delayed coking, diesel-free
GY- Silicone Emulsion		
380/360/330/325/310	38/30/30/25/10	General purpose silicone emulsion with good stability and compatibility for printing and dyeing, cleaning, etc.
440/430/423/416/410	38/30/23/16/10	General purpose silicone emulsion defoamer, with good foam inhibition, used for water treatment, printing, dyeing, cleaning, oil field and pesticide
430/420/410X	30/20	Powerful modified silicone emulsion, with super foam inhibition and applicability, used for fermentation, papermaking, pesticides, water treatment
430H	30	Alkali-resistant silicone emulsion, used for the washing of papermaking and the alkali washing of printing and dyeing
420/412GA	20/12	White silicone powder, mainly used for solid products, such as laundry detergent, powder pesticides, powder oilfield additives, self-leveling cement, grout and so on
430GX/430GB	30	

AT- Non-Silicone Emulsion		
536D	>20	Modified polyether emulsion defoamer used for emulsion polymerization, white latex, latex paints, washing, and Metal working fluids, paper making, high-grade printing and dyeing
5023/5030	>20	Modified polyether emulsions Defoamer, used for coatings, cleaning, metalworking fluids and other high-end industries
51/52/53E	30	Degasser, used for papermaking
530C/520C	30/20	Microsilica emulsions defoamer, used for emulsion polymerization, water treatment, papermaking
TS- Special Emulsion		
610/6100	>8	Modified silicone foam inhibitor, used for products that require good compatibility such as cutting fluid, grinding fluid, water reducing agent, also used in other industries that can use silicone defoamer, such as printing and dyeing, papermaking, fermentation, pesticide, water treatment
620/6200	>16	
6300	>30	
Mineral Oil		
815	100	Mineral oil-based, used for water-based coatings, cationic phenylpropylene emulsions and other industries where silicones cannot be used
8514	100	Mineral oil based, used for water-based emulsion paints, inks and other industries where silicones cannot be used
8532	100	Mineral oil based, used for water-based emulsion paints, inks and other industries where silicones cannot be used
8553	100	Mineral oil based, used for water-based emulsion paints, inks and other industries where silicones cannot be used

## GY-380 Series of Organic Silicon Defoamer

### Product Briefing

GY-380 series, which is compounded by the latest technology, mainly using modified polysiloxane, food-grade emulsifier, dispersant and self-developed additives, is characterized by fast defoaming speed, long foam suppression time, high efficiency, low dosage, and non-toxic, non-corrosive, biologically inert and no adverse side effects.

### Composition

Polysiloxanes, Modified Polysiloxanes, Emulsifiers, Dispersants, etc.

### Product Data

Appearance: White Emulsion Liquid  
Emulsion Ionic Type: Weakly Anionic  
pH Value: 6~8  
Emulsion Stability: Six Months  
Viscosity: 100~2000mPa.s

Note: The above data is for reference only, not as a technical indicator. Products with different solid content can be customized according to customer requirements.

### Applications

This series, with a wide range of applications, can be used in many aqueous environments for defoaming and foam inhibition. For example:

1. Used for defoaming in textile printing and dyeing processes and for foam inhibition in textile printing and dyeing auxiliaries;
2. Used in water treatment, industrial circulating water, paper washing, chemical cleaning, fertilizer anti-caking, petrochemical and other industries;
3. Used in oil extraction to eliminate harmful foams in drilling mud and cementing cement.

### Usage

This series can be used directly or diluted. Long-term storage after dilution may lead to problems such as delamination and oil bleaching, which may affect use. The dilution method for long-term storage can be consulted with our company. The additive amount of defoamer is 10~1000ppm, according to the different use system, the optimal additive amount can be decided according to the specific test by customers.

### Packages

Packed in 50Kg, 200Kg plastic-lined drums or by negotiation.

### Storage Conditions

Stored at room temperature, not close to heat source and not exposed to sunlight. No contact with acid, alkali, salt and can not be stored for a long time after dilution with water. If delamination occurs beyond half a year of storage, within which it would not occur, this product can still be used after mixing well.

### Safety

This information is based on the knowledge and experience we have and is intended to be used as a reference for our customers. You should conduct tests to determine the suitability of this product for your particular application. This product is manufactured based on corporate standards and we assume responsibility for refunding the purchase price or replacing the product if it does not meet product standards.

## GY-440 Series of High-efficiency Organic Silicon Defoamer

### Product Briefing

GY-440 series, which is compounded by the latest technology, mainly using modified polysiloxane, food-grade emulsifier, dispersant and self-developed additives, is characterized by fast defoaming speed, long foam suppression time, high efficiency, low dosage, and non-toxic, non-corrosive, biologically inert and no adverse side effects. This series, which is very easy to disperse in water, very compatible with liquid products and not easy to break the emulsion bleaching oil, is suitable for eliminating the foam. This series is suitable for eliminating foam generated in dyeing and printing, and will not cause defects such as "silicone spots" on dyed fabrics under the correct conditions and suitable temperatures (up to 80°C).

### Composition

Polysiloxanes, Modified Polysiloxanes, Emulsifiers, Dispersants, etc.

### Product Data

Appearance: White Emulsion Liquid  
Emulsion Ionic Type: Weakly Anionic  
pH Value: 6~8  
Emulsion Stability: Six Months  
Viscosity: 100~2000mPa.s

Note: The above data is for reference only, not as a technical indicator. Products with different solid content can be customized according to customer requirements.

### Applications

This series, with a wide range of applications, can be used in many aqueous environments for defoaming and foam inhibition. For example:

1. Used for defoaming in textile printing and dyeing processes and for foam inhibition in textile printing and dyeing auxiliaries;
2. Used in water treatment, industrial circulating water, paper washing, chemical cleaning, fertilizer anti-caking, petrochemical and other industries;
3. Used in oil extraction to eliminate harmful foams in drilling mud and cementing cement.

### Usage

This series can be used directly or diluted. Long-term storage after dilution may lead to problems such as delamination and oil bleaching, which may affect use. The dilution method for long-term storage can be consulted with our company. The additive amount of defoamer is 10~1000ppm, according to the different use system, the optimal additive amount can be decided according to the specific test by customers.

### Packages

Packed in 50Kg, 200Kg plastic-lined drums or by negotiation.

### Storage Conditions

Stored at room temperature, not close to heat source and not exposed to sunlight. No contact with acid, alkali, salt and can not be stored for a long time after dilution with water. If delamination occurs beyond half a year of storage, within which it would not occur, this product can still be used after mixing well.

### Safety

This information is based on the knowledge and experience we have and is intended to be used as a reference for our customers. You should conduct tests to determine the suitability of this product for your particular application. This product is manufactured based on corporate standards and we assume responsibility for refunding the purchase price or replacing the product if it does not meet product standards.

## GY-GA/GB Series of High-efficiency Organic Silicon Solid Defoamer

### Product Briefing

GY-G series is suitable to be used as defoaming and inhibiting components in powdered products which cannot have water due to its low water content. This series is more suitable than general defoamer for defoaming components in solid industrial cleaners, laundry detergents, glass bottle cleaners, cement, modified starch and other polymers due to our specially developed defoaming components. In addition, it has the advantages of being easy to use, easy to store and transport, unaffected by environment and temperature, and not easy to deteriorate.

### Composition

Polysiloxanes, Modified Polysiloxanes, Emulsifiers, fillers, etc.

### Product Data

Appearance:	White Powdery Solid Particles
Active Matter Content:	≥ 20%
pH Value:	8.5 ~ 9.5(1% solution in water )
Water Content:	≤ 5%

Note: The above data is for reference only, not as a technical indicator. Products with different solid content can be customized according to customer requirements.

### Applications

Used to eliminate aqueous phase foam in the process of chemical cleaning, sewage treatment, industrial circulating water, cement, chemical production and others;

Used as a foam inhibiting agent in various chemicals, printing and dyeing, water treatment, cleaning, daily chemical auxiliaries, mechanical auxiliaries, and is especially suitable for adding to solid powdered auxiliary products;

### Usage

This series can be directly sprinkled onto the foam to eliminate foam, or can be dissolved in water and then sprayed onto the foam after sufficient mixing to ensure that the product is dissolved and dispersed. As a foam inhibitor, whose dosage is generally 0.01%~0.3% for liquid products and 1%~5% for solid products, it can be used after mixing with other components. The most economical dosage may be determined after the process test.

### Packages

Packaged in woven bags or by negotiation

### Storage Conditions

Stored in cool and dry environment, and not left in hot or cold environment for a long time.

### Safety

This information is based on the knowledge and experience we have and is intended to be used as a reference for our customers. You should conduct tests to determine the suitability of this product for your particular application. This product is manufactured based on corporate standards and we assume responsibility for refunding the purchase price or replacing the product if it does not meet product standards.

## PP-106/107/108 Polyether Series of Paper Degassing Defoamer

### Product Briefing

PP-106/107/108 series is the latest developed product of our company which is specially designed for the defoaming of white water of paper making. This series has strong defoaming and degassing functions and its performance is not affected by temperature and the speed of paper machine.

### Composition

Polyether as the main material, other special additives.

### Product Data

Appearance:	Yellow to Brown Liquid
Active Matter Content:	≥ 90%
Viscosity (mPa.s, 25°C):	50~600
Dispersivity:	Self-emulsifying and dispersing in water

Note: The above data is for reference only, not as a technical indicator.

### Applications

- Used for defoaming and degassing of white water for newsprint and cultural paper;
- Used for defoaming and degassing of white water for Boxboard, corrugated board, kraft cardboard;
- Used for defoaming and degassing of other polymer systems;

### Usage

PP-106/107/108 series is composed of various substances, and it is normal to see delamination or a little precipitation after a long time of storage. It is recommended to mix well before use, which will not affect the effect of use.

PP-106/107/108 series can not be diluted with water, otherwise it may be delaminated, which will reduce the effect of defoaming and inhibiting foam, and ultimately lead to an increase in the cost of use, for which our company is not responsible.

It is recommended to add the defoamer into the white water pool under the net by metering pump, and the usual dosage is about 100~300g per ton of finished paper. The most economical dosage may be determined after the process test.

### Packages

Packed in 50Kg, 200Kg plastic drums or by negotiation.

### Storage Conditions

Stored in cool and dry environment, and not left in hot or cold environment for a long time.

### Safety

This information is based on the knowledge and experience we have and is intended to be used as a reference for our customers. You should conduct tests to determine the suitability of this product for your particular application. This product is manufactured based on corporate standards and we assume responsibility for refunding the purchase price or replacing the product if it does not meet product standards.

## AT-530C/520C Series of Paper Degassing Defoamer

### Product Briefing

AT-530C/520C series are specially designed for defoaming of white water in the papermaking industry. It has strong defoaming and foam inhibiting effects on white water, eliminates the influence of air bubbles on the process, avoids the formation of holes and reduces paper breaks. This series also has strong defoaming and foam inhibition effect on resin compounds, polymer compounds, etc. It is suitable for aqueous solution of polyvinyl alcohol, emulsions of styrene-acrylic, pure acrylic and rosin glue sizing agent and other additives.

### Composition

Special polymer organic compounds, small amounts of modified polysiloxanes, other excipients

### Product Data

Appearance: White Emulsion Liquid

Density (25°C): 1.0±0.1

Viscosity: 100 ~ 500 cps

pH Value: 6 ~ 8

Date of Use: Six Months

Note: The above data is for reference only, not as a technical indicator. Products with different solid content can be customized according to customer requirements.

### Applications

1. Used for defoaming of white water in papermaking industry;
2. Used for defoaming in the production of rosin gum sizing agents;
3. Used for defoaming and foam inhibition in the production and use of emulsion paints and latexes, such as aqueous solutions of polyvinyl alcohol, emulsions of styrene-acrylic, pure acrylic, etc.;
4. Used for other occasions where organic silicon defoamer cannot be used.

### Usage

This series can be injected directly into the foaming system, or can be diluted and used. When it is added into the foaming system as a foam inhibitor in advance, pay attention to the compatibility with the system. It is recommended to add the defoamer into the white water pool under the net by metering pump, and the usual dosage is about 100~300g per ton of finished paper. The most economical dosage may be determined after the process test.

### Packages

Packed in 50L, 200L plasti drums or by negotiation.

### Storage Conditions

Stored in cool and dry environment, and not left in hot or cold environment for a long time.

### Safety

This information is based on the knowledge and experience we have and is intended to be used as a reference for our customers. You should conduct tests to determine the suitability of this product for your particular application. This product is manufactured based on corporate standards and we assume responsibility for refunding the purchase price or replacing the product if it does not meet product standards.

## TS-6200/6300 Organic Silicon Defoamer

### Product Briefing

TS-6200/6300 is a defoamer specially applied to aqueous system which is produced by our company with imported raw materials and guided by foreign advanced technology. It is an aqueous emulsion, with excellent stability, ease of use, wide range of applications, low dosage, fast defoaming, which can still be used for defoaming and foam inhibition under different conditions (pH4-12). The use of TS-6200/6300 can reduce the time required for the process and effectively increase the production output.

### Product Data

Appearance: White Emulsion Liquid

Emulsion Ionic Type: Nonionic

pH Value: 6~8

Viscosity: ≤ 2000

Emulsion Stability: Six Months

Note: The above data is for reference only, not as a technical indicator.

### Product Characteristics

- Specially designed for defoaming and foam inhibiting in aqueous solutions at room temperature
- High level of economic efficiency
- Suitable for anionic and nonionic surfactant systems
- More convenient to use with low viscosity and good dispersibility
- Excellent stability
- Suitable for strongly alkaline (pH12) conditions

### Applications

The TS-6200/6300 series is used in a variety of industrial and manufacturing processes (waterborne systems), including:

- Used for sizing, boiling, printing, dyeing and post-treatment process in the textile industry ( room temperature )
- Used for the production of water-based adhesives and adhesives
- Used for the production of Acrylic Rubber Latex
- Used in plating solution and metal etching solution
- Used for papermaking production and at finishing process ( coating process )
- Used for the production and application of water-soluble ink
- Used for the formulation of industrial detergents and specialty chemicals
- Used for the tanning process
- Used for wastewater treatment

## ◎ Usage

TS-6200/6300 series is a kind highly effective defoamer and foam inhibitor, which can prevent foam generation by adding a very small amount to the unfoamed aqueous solution in advance. Only 50 to 100 units (or 0.05-0.1g/l) of TS-6200/6300 per million units of blowing agent should be added at the beginning, and the dosage should be adjusted according to the process to achieve the optimum.

## ◎ Precautions for Use

- (1) The emulsion should be stirred properly before use, diluted with cold water or foaming agent solution and used immediately.
- (2) TS-6200/6300 will be best suppressed when completely dispersed in (3-10 parts) cold water or foaming solution.
- (3) Use immediately after dilution. If storage is required, a thickener must be added (see "TS-6200/6300 Standard Dilution Procedure" on separate sheet).
- (4) Do not dilute TS-6200/6300 with hot water.
- (5) It can be more effective to inhibit the generation of foam, when appropriate amount of foam inhibitor was added before foaming.
- (6) Do not use too much.

## ◎ Packages

Packed in 50Kg, 200Kg plastic-lined drums or by negotiation.

## ◎ Storage Conditions

Stored at room temperature, not close to heat source and not exposed to sunlight. No contact with acid, alkali, salt and can not be stored for a long time after dilution with water. If delamination occurs beyond half a year of storage, within which it would not occur, this product can still be used after mixing well.

## ◎ Safety

This information is based on the knowledge and experience we have and is intended to be used as a reference for our customers. You should conduct tests to determine the suitability of this product for your particular application. This product is manufactured based on corporate standards and we assume responsibility for refunding the purchase price or replacing the product if it does not meet product standards.

## OF-815 Strong Defoamer for Waterborne Coatings

### ◎ Product Briefing

OF-815 is specially designed for use in various aqueous systems with good water dispersibility and independent of pH, which is suitable for coatings, inks and other systems with medium to high PVC. This product corresponds to F111 of Dow Corning, CF16 of Blackburn, 681F of Rhodia, 7005 of Elementis, DFC21 of Hi-Mar.

### ◎ Composition

Mineral oil, other auxiliary ingredients

### ◎ Product Data

Appearance: Pale yellow turbid liquid

Active Matter Content (%) :  $\geq 99\%$

Density (25°C) : 0.88 ~ 0.98 g/ml

Dispersivity: Easy to suspend and disperse in water

### ◎ Applications

Suitable for waterborne coatings, inks, systems with medium to high PVC and other places where silicone defoamer are not suitable.

### ◎ Usage

The recommended dosage is 0.05% to 0.6% of the total formulation;

It can be added twice during the preparation of the coating, at the stage of pigment grinding to suppress foam generation, and the other half is added during the formulation of the coating.

The exceptional compatibility of this product allows it to be used as a post-additive conditioning additive, thus minimizing the risk of defects caused by foam in the coating film.

### ◎ Packages

Packed in 25Kg, 50Kg, 200Kg plastic-lined drums or by negotiation.

### ◎ Storage Conditions

This product may be layered during storage especially in summer, which is a normal phenomenon due to its thermal instability, It would not affect the use of the product if it is shaken evenly before use.

### ◎ Safety

This information is based on the knowledge and experience we have and is intended to be used as a reference for our customers. You should conduct tests to determine the suitability of this product for your particular application. This product is manufactured based on corporate standards and we assume responsibility for refunding the purchase price or replacing the product if it does not meet product standards.

## GY-5023 Series Antifoamer

### Product Briefing

GY-5023 series is a kind of defoamer specially applied to aqueous system which is produced by our company with imported raw materials and guided by foreign advanced technology. It is an aqueous emulsion, with excellent stability, ease of use, wide range of applications, low dosage, fast defoaming, which can still be used for defoaming and foam inhibition under different conditions (pH4-12). The use of GY-5023 can reduce the time required for the process and effectively increase the production output. This series also has strong defoaming and foam inhibition effect on resin compounds, polymer compounds, etc. It is suitable for aqueous solution of polyvinyl alcohol, emulsions of styrene-acrylic, pure acrylic and rosin glue sizing agent and other additives.

### Composition

Special polymer organic compounds, small amounts of modified polysiloxanes, other excipients

### Product Data

Appearance:	White Emulsion Liquid
Density (25°C):	1.0±0.1 g/ml
Viscosity:	100 ~ 800 cps
pH Value:	6 ~ 8
Date of Use:	Six Months

Note: The above data is for reference only, not as a technical indicator. Products with different solid content can be customized according to customer requirements.

### Applications

1. Used for defoaming in the coating process in the papermaking industry;
2. Used for defoaming in the production of rosin gum sizing agents;
3. Used for defoaming and foam inhibition in the production and use of emulsion paints and latexes, such as aqueous solutions of polyvinyl alcohol, emulsions of styrene-acrylic, pure acrylic, etc.;
4. Used for other occasions where organic silicon defoamer cannot be used.。

### Usag

This series can be injected directly into the foaming system, or can be diluted and used. When it is added into the foaming system as a foam inhibitor in advance, pay attention to the compatibility with the system.

### Packages

Packed in 25L 50L, 200L plastic drums or by negotiation.

### Storage Conditions

Stored in cool and dry environment, and not left in hot or cold environment for a long time.

The product will freeze below -5 °C and may break the emulsion after thawing. There is yellowing and odor when exposed to high temperature.。

### Safety

This information is based on the knowledge and experience we have and is intended to be used as a reference for our customers. You should conduct tests to determine the suitability of this product for your particular application. This product is manufactured based on corporate standards and we assume responsibility for refunding the purchase price or replacing the product if it does not meet product standards.

## XR-300 Antifoamer for Glyphosate Aqueous Solution

### Product Briefing

XR-300 is a kind of silicone emulsion defoamer which is produced by our company with imported raw materials and guided by foreign advanced technology. The use of this product solves the problem of oil drifting in glyphosate aqueous solution due to the excellent defoaming and foam inhibition ability and stability in dilution conditions without emulsion failure.

### Product Data

Appearance:	White Emulsion Liquid
Solid Content:	>20
Viscosity:	≤ 1000
pH Value:	6.5~7.5
Emulsion Ionic Type:	Weakly Anionic
Emulsion Stability:	Six Months

Note: The above data is for reference only, not as a technical indicator.

### Product Characteristics

- High performance;
- Fast defoaming speed and long foam suppression time;
- Soluble in water, easy to use and suitable for anionic and nonionic surfactant systems;
- Ultra-stable

### Usage

This product is a kind of highly effective defoamer and foam inhibitor, which can prevent foam generation by adding a very small amount to the unfoamed aqueous solution in advance. About five ten thousandths of the total amount is added at the beginning, or diluted 2-3 times with water and sprinkled into the foaming solution, while the foam is being generated. The dosage should be adjusted according to the process to achieve the optimum.

### Precautions for Use:

- (1) It should be stirred properly before use, diluted with cold water or foaming agent solution and used immediately.
- (2) Do not dilute with hot water.
- (3) It can be more effective to inhibit the generation of foam, when appropriate amount of foam inhibitor was added before foaming. Do not use too much.
- (4) Use immediately after dilution.
- (5) It will be best suppressed when completely dispersed in (3 parts or more) cold water or foaming solution.

### Packages

Packed in 50Kg, 200Kg plastic-lined drums or by negotiation.

### Storage Conditions

Stored at room temperature, not close to heat source and not exposed to sunlight. No contact with acid, alkali, salt and can not be stored for a long time after dilution with water. If delamination occurs beyond half a year of storage, within which it would not occur, this product can still be used after mixing well.