

# SAN NOPCO LIMITED

PRODUCT CATALOG

**NOPCO** SAN NOPCO

[www.sannopco.co.jp](http://www.sannopco.co.jp)

## SAN NOPCO LIMITED

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San Nopco is advancing globally

Coating chemicals



Architectural paint



Ink



Industrial precoating



Adhesives



Coated Paper



Calcium carbonate slurry

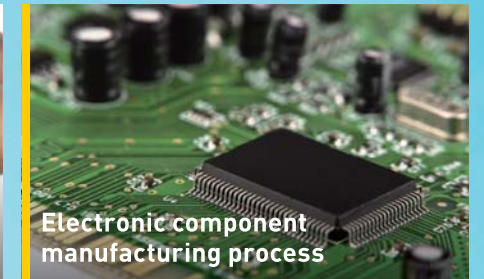
Process chemicals



Resin, gum manufacturing process



Emulsion, latex manufacturing process



Electronic component manufacturing process



Fine ceramics manufacturing process



Inorganic Pigment, Organic Pigment



Siding board manufacturing process



Cement



Metal working process



Kraft pulp manufacturing process



Paper making process



Drainage water



## Coating Chemicals (Aqueous)

### Defoamer

Refer the classification of Defoamer at p.21

TYPE	Product Name	Description & Application	Application							Packaging
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER	
			FLAT	GLOSS	ELASTIC					
Hydrophobic silica type	SN-DEFOAMER 154	Excellent continuous anti-foaming effect. Versatile for flat paint.	○				○	○		Net 16kg can Net 180kg drum
	SN-DEFOAMER 154S	Effective for semi-gloss paint and gloss paint. Shows excellent water dispersibility and less cratering.	○	○			○	○		Net 15kg can Net 170kg drum
	SN-DEFOAMER 269	Silicone free anti-foaming agent. Shows excellent water dispersibility and less cratering.	○				○	○		Net 16kg can Net 180kg drum
	SN-DEFOAMER 317	Effective for semi-gloss paint and flat paint. Shows excellent rapid foam breaking performance and durability.	○				○			Net 15kg can
	SN-DEFOAMER 318	Effective for flat paint. Shows excellent workability because of its low viscosity.	○				○			Net 15kg can Net 160kg drum
	SN-DEFOAMER 319	Effective for semi-gloss paint and flat paint. Shows excellent rapid foam breaking and durability.	○				○			Net 15kg can Net 160kg drum
	SN-DEFOAMER 321C	Effective for flat paint and high PVC coatings. Shows excellent continuous anti-foaming effect and rapid foam breaking.	○				○			Net 15kg can Net 160kg drum
	SN-DEFOAMER 323	Effective for gloss paint. Shows excellent continuous anti-foaming effect.	○	○			○			Net 16kg can
	SN-DEFOAMER 364	Effective for flat paint.	○				○			Net 16kg can Net 160kg drum
	SN-DEFOAMER 456	Effective for elastic paint.			○					Net 16kg can
	SN-DEFOAMER 1010	Anti-foaming agent for emulsion paint. Silicone free and less cratering.	○				○	○		Net 15kg can
	SN-DEFOAMER 1329	Effective for polyvinyl acetate type paint.	○				○	○		Net 16kg can Net 180kg drum
	SN-DEFOAMER 1341	Effective for architectural paint, flat paint with less coagulation and cratering.	○				○	○		Net 15kg can



TYPE	Product Name	Description & Application	Application							Packaging
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER	
			FLAT	GLOSS	ELASTIC					
Hydrophobic silica type	SN-DEFOAMER 1361	Shows excellent continuous of anti-foaming effect. Versatile for flat paint.	○					○		Net 15kg can
	SN-5598	Shows excellent dispersibility and less cratering. Prevents micro foam.	○	○			○	○		Net 15kg can Net 160kg drum
Metallic soap type	SN-DEFOAMER VL	General anti-foaming agent. Shows good water dispersibility.	○	○				○	○	Net 16kg can Net 180kg drum
	SN-DEFOAMER 1330	Shows excellent foam breaking. Versatile for emulsion paint.	○				○	○		Net 16kg can Net 180kg drum
	SN-DEFOAMER 1390	Silicone free and less cratering. Versatile for emulsion paint.	○				○	○		Net 16kg can Net 180kg drum
Wax type	SN-DEFOAMER 477-NS	Silicone free and less cratering. Versatile for latex, resin emulsion, water-based paint.	○	○				○	○	Net 15kg can Net 170kg drum
	SN-DEFOAMER 477T	Shows excellent water dispersibility. Versatile for latex, emulsion and water-based paint.	○	○					○	Net 15kg can Net 170kg drum
	SN-DEFOAMER 479	Shows excellent water dispersibility, less cratering, less oil spot.	○	○				○	○	Net 15kg can Net 170kg drum
	SN-DEFOAMER 1044	Shows excellent water dispersibility. Versatile for emulsion paint.	○				○	○		Net 16kg can Net 180kg drum
	SN-DEFOAMER 1320	Silicone free and show less cratering. Versatile for industrial paint.	○				○	○		Net 16kg can
	SN-DEFOAMER 1340	Silicone free and less cratering. Versatile for emulsion paint. Show long-lasting anti-foaming ability.	○				○	○	○	Net 15kg can Net 160kg drum
	SN-DEFOAMER 1360	Silicone free and less cratering. Versatile for flat, semi-gloss paint.	○					○		Net 15kg can Net 170kg drum
	NOPTAM 3590	Silicone free and less cratering. Versatile for adhesive.	○						○	Net 15kg can Net 160kg drum
	SN-DEFOAMER 5100	Shows excellent water dispersibility and less cratering. Versatile for water-based ink, emulsion paint.	○				○	○		Net 15kg can Net 170kg drum
	Modified Silicone type	SN-DEFOAMER 384	Effective for gloss paint. Shows excellent soil releasing performance.		○				○	
SN-DEFOAMER 391		Effective for gloss paint. Shows excellent anti-foaming durability and soil releasing performance.		○				○		Net 25kg can
SN-DEFOAMER 397		Effective for gloss paint. Shows excellent soil release performance.		○			○	○		Net 18kg can
SN-DEFOAMER 398		Effective for gloss paint. Shows excellent soil release performance.		○			○	○		Net 18kg can



TYPE	Product Name	Description & Application	Application							Packaging
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER	
			FLAT	GLOSS	ELASTIC					
Modified Silicone type	SN-DEFOAMER 399	Effective for gloss paint. Shows excellent soil release performance and less gloss decreasing.		○		○	○			Net 18kg can Net 180kg drum
	SN-DEFOAMER 1310	Effective for gloss paint. Shows excellent soil release performance.		○			○			Net 18kg can
	SN-DEFOAMER 1311	Effective for gloss paint. Shows excellent soil release performance and durability of gloss.		○		○	○			Net 18kg can
	SN-DEFOAMER 1314	Effective for gloss paint. Shows excellent soil release performance.		○			○			Net 18kg can
	SN-DEFOAMER 1315	Effective for gloss paint. Versatile for zero-VOC paint, because of mineral oil free.		○			○			Net 18kg can
	SN-DEFOAMER 1316	Effective for gloss paint, architectural material paint, inks. Shows excellent water dispersibility.		○		○	○			Net 18kg can
Silicone type	SN-DEFOAMER 121N	Effective for elastic paint in roller process, and spraying process.			○					Net 16kg can
	SN-DEFOAMER 325	Effective for elastic paint in roller process, and spraying process.			○		○			Net 16kg can Net 180kg drum
	SN-DEFOAMER 327	Effective elastic paint, soil releasing paint. Shows less gloss decreasing.			○					Net 18kg can
	SN-DEFOAMER 328	Effective for micro foam of elastic paint.			○					Net 17kg can
	SN-DEFOAMER 373	Effective for gloss paint. Shows less cratering.		○		○	○	○		Net 16kg can
	SN-DEFOAMER 380	Effective for elastic paint. Shows less gloss decreasing.			○					Net 17kg can
	SN-DEFOAMER 393	Effective for elastic paint, soil releasing paint.			○					Net 17kg can Net 180kg drum
	SN-DEFOAMER 5016	Effective for elastic paint.			○	○		○		Net 16kg can Net 180kg drum
	NOPTAM 8000PC	Effective for elastic paint. Shows excellent anti-foaming under low temperature.			○	○				Net 16kg can Net 180kg drum
	Polyether compound type	SN-DEFOAMER 1355	Effective for gloss paint. Shows less gloss decreasing and less cratering.	○	○				○	
Polyether type	SN-DEFOAMER PC	Shows less cratering.	○				○	○		Net 18kg can Net 200kg drum
	SN-DEFOAMER 157	Shows less cratering.	○			○	○			Net 17kg can Net 200kg drum
	SN-DEFOAMER 170	Shows excellent workability, because of its low viscosity.	○				○			Net 17kg can Net 180kg drum

TYPE	Product Name	Description & Application	Application							Packaging
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER	
			FLAT	GLOSS	ELASTIC					
Polyether type	SN-DEFOAMER 180	Shows extremely less cratering.	○			○	○	○		Net 18kg can Net 210kg drum
	SN-DEFOAMER 184	Shows less cratering and better deformability than SN-DEFOAMER 180.	○			○	○	○		Net 18kg can Net 200kg drum
	SN-DEFOAMER 247	Shows less cratering and excellent durability of anti-foaming.	○				○			Net 18kg can Net 180kg drum
	SN-DEFOAMER 260	Shows excellent performance in wide range of temperature.	○				○			Net 17kg can Net 190kg drum
	SN-DEFOAMER 265	Foam breaking/anti-foaming agent for starch type clear coating color.					○		○	Net 18kg can Net 200kg drum
	SN-DEFOAMER 275	Foam breaking/anti-foaming agent for starch type clear coating color.					○		○	Net 18kg can Net 200kg drum
	SN-DEFOAMER 375	Shows excellent water dispersibility and less cratering.	○				○		○	Net 18kg can
	SN-DEFOAMER 444	Shows less cratering.	○			○	○			Net 17kg can Net 180kg drum
	SN-DEFOAMER 466	Shows less cratering.	○				○			Net 18kg can
	SN-DEFOAMER 470	Shows excellent water dispersibility and less cratering.	○			○	○	○		Net 18kg can Net 190kg drum
SN-DEFOAMER 485	Shows excellent performance in wide range of temperature.	○				○	○		Net 18kg can Net 200kg drum	
Emulsion type	SN -0215	Shows excellent aqueous solution stability and mechanical stability without scum and cratering. Versatile for pressure sensitive and temperature sensitive color.					○	○	○	Net 16kg can Net 180kg drum
	SN-DEFOAMER 381	Effective for gloss paint. Shows less gloss decreasing and less cratering.		○		○	○			Net 18kg can
	SN-DEFOAMER 385	Effective for gloss paint. Shows less cratering.		○		○	○			Net 16kg can Net 200kg drum
	SN-DEFOAMER 388N	Silicone emulsion type foam breaking/anti-foaming agent. Mineral oil free.	○		○	○	○			Net 18kg can
	SN-DEFOAMER 419	General silicone emulsion type anti-foaming agent.		○			○			Net 17kg can
	NOPTAM 7060	Shows excellent water dispersibility and less cratering.	○				○			Net 16kg can Net 180kg drum
	SN-DEFOAMER 522	Shows excellent water dispersibility and less cratering.	○				○			Net 16kg can Net 180kg drum
	SN-DEFOAMER 2000	Effective for semi-gloss paint and flat paint. Shows less cratering.	○					○	○	Net 16kg can Net 180kg drum
	SN-DEFOAMER 2600	Effective for semi-gloss paint and flat paint. Shows less cratering.	○					○	○	Net 16kg can Net 180kg drum



## Dispersant

Product Name	Composition, Content	Description & Application	Application							Packaging	
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER		
			FLAT	GLOSS	ELASTIC						
NOPCOSPERSE 5600	Ammonium salts of polycarboxylic acid Anionic 40%	Versatile for dispersing fine particle type ceramics.							○		Net 20kg can
SN-DISPERSANT 2010	Sodium salts of polycarboxylic acid Anionic 30%	Shows excellent dispersibility of inorganic pigment as titanium oxide, and excellent storage stability of paint.	○	○	○						Net 20kg can
SN-DISPERSANT 2060	Phosphonic acid amine salt 50%	Shows excellent wetting performance to inorganic pigments better than that of polycarboxylic acid type wetting agent. Versatile for emulsion paint.	○	○	○						Net 18kg can
SN-DISPERSANT 4215	Quaternary cation polymer Cationic 20%	Cation polymer type dispersant. Versatile for inorganic pigments as calcium carbonate, clay, etc.	○		○	○				○	Net 18kg can
SN-DISPERSANT 5020	Ammonium salts of polycarboxylic acid Anionic 40%	Polycarboxylic type general dispersant. Versatile for emulsion paint. Shows excellent water-repellent.	○	○	○						Net 20kg can Net 230kg drum
SN-DISPERSANT 5023	Ammonium salts of polycarboxylic acid Anionic 40%	Dispersant for inorganic pigments as titan oxide, etc. Shows excellent water resistance.	○	○	○						Net 20kg can Net 225kg drum
SN-DISPERSANT 5027	Ammonium salts of polycarboxylic acid Anionic 20%	Dispersant with water resistance. Shows good color acceptance of color pigments.	○	○	○				○		Net 18kg can Net 220kg drum
SN-DISPERSANT 5029	Ammonium salts of polycarboxylic acid Anionic 25%	Dispersant with excellent water resistance. Shows excellent dispersibility.	○	○	○						Net 18kg can
SN-DISPERSANT 5033	Sodium salts of polycarboxylic acid Anionic 30%	Effective for fine particle calcium carbonate.	○	○	○						Net 20kg can
SN-DISPERSANT 5034	Sodium salts of polycarboxylic acid Anionic 40%	Shows excellent dispersibility for fine inorganic pigments.	○	○	○						Net 20kg can Net 250kg drum
SN-DISPERSANT 5041	Sodium salts of polycarboxylic acid Anionic 40%	Shows excellent dispersibility for inorganic pigments as titanium oxide.	○	○	○						Net 20kg can Net 250kg drum
SN-DISPERSANT 5468	Ammonium salts of polycarboxylic acid Anionic 40%	Polycarboxylic acid type general dispersant. Versatile for emulsion paint. Shows excellent water-repellent.	○	○	○				○		Net 20kg can Net 230kg drum
SN-DISPERSANT 6100	Amine salts of polycarboxylic acid Anionic effective 70%	Dispersant for organic and inorganic pigments. Shows excellent color acceptance and water resistance.	○	○	○				○		Net 18kg can
SN-DISPERSANT 6150	Amine salt of polymeric carboxylic acid Anionic 73%	Versatile for organic pigment(magenta, yellow). Excellent color development, color acceptance of paint.	○	○	○						Net 18kg can
NOPCALL 5200	Ammonium salts of polycarboxylic acid Anionic 30%	Dispersant with water resistance. Shows good color acceptance of color pigments.	○	○	○				○		Net 19kg can Net 210kg drum
SN -PW-43	Formaldehyde-naphthalenesulfonic condensate sodium salt Anionic 41%	Effective for dispersing ceramics, pigment, emulsion particle. Versatile for emulsifier of emulsion polymerization.								○	Net 20kg can
LOMAR D	Formaldehyde-naphthalenesulfonic condensate sodium salt Anionic 81% powder	Dispersant for inorganic pigments as calcium carbonate, clay, cement, carbon black, etc.								○	Net 24.9kg bag



Product Name	Composition, Solids	Description & Application	Application							Packaging	
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER		
			FLAT	GLOSS	ELASTIC						
LOMAR PWA-40K	Formaldehyde-naphthalenesulfonic condensate ammonium salt Anionic 40%	Effective for dispersing ceramics, pigment, emulsion particle. Versatile for emulsifier of emulsion polymerization. Less residue after sintering.								○	Net 20kg can Net 230kg drum
LOMAR PWH	Formaldehyde-naphthalenesulfonic condensate sodium salt Anionic 88% powder	Versatile dispersant for pigments, inorganic pigment and emulsifier of emulsion polymerization.								○	Net 22.6kg bag

## Wetting agent, Emulsifier

Product Name	Ionicity, Content	Description & Application	Application							Packaging	
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER		
			FLAT	GLOSS	ELASTIC						
SN-WET L	Nonionic 100%	Fatty acid ester type wetting agent. Effective for improving leveling performance.	○	○	○	○	○				Net 18kg can Net 200kg drum
SN-WET N	Nonionic 100%	Amide type wetting agent. Effective for improving leveling performance.	○	○	○	○	○				Net 17kg can
SN-WET OT-70	Anionic 70%	Shows excellent penetrating performance and wetting ability. Improves wettability to pigments and base.					○	○	○	○	Net 200kg drum
SN-WET 125	Nonionic 100%	Modified silicone type wetting agent. Shows excellent lower surface tension ability.	○	○	○	○	○				Net 18kg can
SN-WET 970	Anionic 50%	Shows excellent penetrating performance and improving color acceptance.	○	○	○	○	○				Net 18kg can Net 200kg drum
SN-WET 980	Nonionic 100%	Low foaming polyether type wetting agent. Shows excellent lowering ability of dynamic surface tension. Improves curtain flow performance and spray performance.	○	○	○	○	○				Net 18kg can
SN-WET 984	Nonionic 100%	Low foaming polyether type wetting agent. Shows excellent lowering ability of dynamic surface tension.	○	○	○	○	○				Net 18kg can
SN-WET 990	Nonionic 100%	Low foaming color acceptance improver.	○	○	○	○	○				Net 17kg can
SN-WET 991	Anionic 50%	Shows excellent penetrating performance and improving color acceptance.	○	○	○	○	○				Net 18kg can
SN-WET 996	Nonionic 100%	Low foaming color acceptance improver.	○	○	○	○	○				Net 17kg can Net 190kg drum
SN-WET 999	Cationic 100%	Special amine type wetting agent. Shows excellent wetting ability and improves color acceptance.	○	○	○	○	○				Net 17kg can

## Rheology Modifiers

Product Name	Composition, Content	Description & Application	Application							Packaging
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER	
			FLAT	GLOSS	ELASTIC					
SN-THICKENER 601	Polyether type 40%	Newtonian rheology modifier for water-soluble paint and emulsion paint. Improve leveling performance and no-adverse effect to gloss.	○	○	○					Net 17kg can Net 200kg drum
SN-THICKENER 607	Urethane modified polyether type 40%	Newtonian rheology modifier for water-soluble paint and emulsion paint. Improve leveling performance and less adverse effect to color acceptance.	○	○	○					Net 17kg can Net 200kg drum
SN-THICKENER 612	Urethane modified polyether type 40%	Show excellent viscosity increasing at low shear. Versatile for various uses and show less adverse effect to color acceptance.	○	○	○					Net 18kg can Net 200kg drum
SN-THICKENER 612NC	Urethane modified polyether type 44%	Show excellent viscosity increasing at low shear. Versatile for various uses and show less adverse effect to color acceptance.	○	○	○					Net 18kg can Net 200kg drum
SN-THICKENER 613	Modified polyacrylic acid 20%	Gives thixotropic viscosity. Many kinds of surface patterns can be given to elastic paints by combining it with SN-THICKENER 612NC or SN-THICKENER 621N. Less effective color acceptance.	○	○	○					Net 18kg can Net 200kg drum
SN-THICKENER 615	Modified polyacrylic sulfonic acid salt 10%	Thixotropic rheology modifier. Versatile in large area of pH.	○	○	○					Net 17kg can
SN-THICKENER 617	Modified polyacrylic acid 20%	Gives thixotropic viscosity and improves spray coating performance. Prevent cracking from drying.	○	○	○					Net 18kg can Net 190kg drum
SN-THICKENER 618	Modified polyacrylic acid sodium salt 12%	Thixotropic rheology modifier for emulsion paint and architectural spraying finish material.	○	○	○					Net 18kg can
SN-THICKENER 619	Urethane modified polyether type 30%	Newtonian moderate thickening rheology modifier.	○	○	○					Net 18kg can
SN-THICKENER 621N	Urethane modified polyether type 30%	Newtonian rheology modifier for water-soluble paint and emulsion paint. Improve leveling performance and no-adverse effect to gloss.	○	○	○					Net 18kg can
SN-THICKENER 621TF	Urethane modified polyether type 30%	Tin free type of SN-THICKENER 621N.	○	○	○					Net 18kg can
SN-THICKENER 623N	Urethane modified polyether type 30%	Newtonian high thickening rheology modifier for emulsion paint. Show excellent leveling performance and less adverse effect to color acceptance and low sensitive to temperature.	○	○	○					Net 18kg can Net 200kg drum
SN-THICKENER 625N	Urethane modified polyether type 15%	Newtonian low thickening rheology modifier without high-boiling point solvent. Versatile for zero VOC paint.	○	○	○					Net 18kg can Net 200kg drum
SN-THICKENER 627N	Urethane modified polyether type 23%	Newtonian high thickening rheology modifier without high-boiling point solvent. Versatile for zero VOC paint.	○	○	○					Net 18kg can Net 200kg drum

Product Name	Composition, Content	Description & Application	Application							Packaging
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER	
			FLAT	GLOSS	ELASTIC					
SN-THICKENER 629N	Urethane modified polyether type 20%	Newtonian moderate thickening rheology modifier without high-boiling point solvent. Versatile for zero VOC paint.	○	○	○					Net 18kg can
SN-THICKENER 630	Modified polyacrylic type 30%	Pseudoplastic, thixotropic rheology modifier. Versatile for flat paint and gloss paint.	○	○	○					Net 18kg can Net 200kg drum
SN-THICKENER 636	Modified polyacrylic type 30%	Pseudoplastic, thixotropic rheology modifier. Versatile for elastic paint. Shows excellent performance of prevention of cracking and excellent thixotropic thickening performance.	○	○	○					Net 18kg can Net 200kg drum
SN-THICKENER 640	Modified polyacrylic type 30%	Pseudoplastic, thixotropic rheology modifier. Versatile for flat paint and gloss paint.	○	○	○					Net 18kg can Net 200kg drum
SN-THICKENER 641	Modified polyacrylic type 30%	Pseudoplastic, thixotropic rheology modifier. Versatile for flat paint and gloss paint.	○	○	○					Net 18kg can Net 200kg drum
SN-THICKENER 660T	Urethane modified polyether type 20%	Association type high viscosity, high thixotropic rheology modifier. Shows excellent water resistance.	○	○	○					Net 18kg can
SN-THICKENER 665T	Urethane modified polyether type 10%	Association type high viscosity, high thixotropic rheology modifier. Shows excellent water resistance and excellent toning performance.	○	○	○					Net 18kg can
NOPALL 700N	Urethane modified polyether type 15%	Newtonian low thickening type rheology modifier. Show excellent leveling effect and come up smooth surface.	○	○	○					Net 18kg can
NOPALL 717T	Ammonium salt of acrylic polymer Polyether type compound 10%	Pseudoplastic, thixotropic polymer type rheology modifier. Versatile for emulsion paint without pH adjustment. Shows excellent ability of prevention of cracking by drying.	○	○	○					Net 18kg can

## Water retention aid / Rheology modifier

Product Name	Composition, Content	Description & Application	Application							Packaging
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER	
			FLAT	GLOSS	ELASTIC					
SN-THICKENER IN-209	Modified polyacrylic type 22%	Water retention performance is better than that of natural polymer type water retention aid, without increasing of the viscosity of coating color.								Net 18kg can Net 190kg drum Net 1000kg container
SN-THICKENER 920	Modified polyacrylic type 30%	Alkaline swellable emulsion. Shows Excellent water retention performance. Prevents from streaking, unevenness of coated weight and migration of binder. Imparts good long term stability of coating color viscosity.								Net 18kg can Net 200kg drum Net 1000kg container
SN-THICKENER 929-S	Modified polyacrylic acid sodium salt 12%	Modified polyacrylate aqueous solution. Effective as water retention aid for curtain flow coating, prevents from film breaking at curtain flow process, and prevent the preparation of roll mark.								Net 18kg can Net 200kg drum Net 1000kg container

## Surface conditioner

Product Name	Composition, Content	Description & Application	Application							Packaging
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER	
			FLAT	GLOSS	ELASTIC					
SN-CLEANACT 82	Urethane modified polyether type 100%	Improves resistance to staining by making the surface of the paint hydrophilic. Versatile for soil releasing paint.		○	○		○			Net 18kg can

## Leveling agent, Tackifier

Product Name	Composition, Content	Description & Application	Application							Packaging
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER	
			FLAT	GLOSS	ELASTIC					
SN-TACK 754	Polymerized rosin emulsion 50%	Shows good adhesive performance at high temperature condition. Versatile for acrylic emulsion.							○	Net 17kg can Net 200kg drum
NOPCO 9114	Polyether type 100%	Improve adhesive performance at half-dried polyvinyl acetate emulsion, because it behaves as plasticizer.	○	○						Net 20kg can Net 190kg drum

## Preservatives, Anti-fouling agent

Product Name	Composition	Description & Application	Application							Packaging
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER	
			FLAT	GLOSS	ELASTIC					
NOPCOCIDE SN -135	Organonitro sulfur compound	Preservative which is applicable under the condition from acidic to slightly alkaline. High sterilizing power.	○	○	○					Net 20kg plastic container
NOPCOCIDE SN -135-W	Organonitro sulfur compound	Improved product of NOPCOCIDE SN-135, which is more stable under water dilution.	○	○	○					Net 20kg plastic container
NOPCOCIDE SN -215	Organonitro compound	Preservative which is effective to alkaline condition. Good sterilizing effect.	○	○	○					Net 20kg plastic container

## Foam stabilizer, Water repellent agent. Fluorescence brightening improver, Surface sizing agent

Product Name	Composition, Content	Description & Application	Application							Packaging	
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER		
			FLAT	GLOSS	ELASTIC						
NOPCOTE 5400	Microcrystalline wax 46%	Shows excellent prevention performance from dirt on backing roll. Also improves water-repellent performance and gloss.	○							○	Net 18kg can
NOPCOCERA LU-6418	Stearic acid 30%	Versatile for releasing agent for press mold of fine ceramics.	○					○	○		Net 16kg can Net 180kg drum
AZ-COTE 5800MT	Ammonium salt of zirconium carbonate 45%	Zirconium type water repellent agent for coated board paper, cast coated paper and general coated paper. Especially shows excellent water resistant and improving gloss.								○	Net 20kg can Net 272.1kg drum
SN-COTE 204	Calcium stearate 55%	Lubricant for coated paper. Lessen dusting of super calendar and printing.								○	Net 18kg can Net 210kg drum Net 1000kg container
SN-COTE 231SP	Calcium stearate 55%	Shows excellent releasing performance and prevention of dusting.								○	Net 18kg can Net 210kg drum Net 1000kg container
SN-COTE 243	Calcium stearate 55%	Blocking prevention agent for storage of gum products and extrusion molding products. Shows excellent water-repellent and dusting prevention performance to cement, cement type paint, concrete.						○		○	Net 18kg can Net 200kg drum Net 1000kg container
SN-COTE 287	Oxydized polyethylene type 40%	Shows excellent releasing performance and improving gloss. Versatile for cast coated paper.								○	Net 17kg can Net 190kg drum
SN-COTE 289	Oxydized polyethylene type 40%	Shows excellent releasing performance and improve gloss and inking quality. Versatile for gloss calendar at high temperature, soft nip calendar.								○	Net 17kg can Net 190kg drum
SN-COTE 950	Polyolefine wax type 40%	Shows excellent prevention from printing dirt of mat coated paper and dull coated paper.								○	Net 18kg can Net 200kg drum
SN-DULLACT 1001W	Polyolefine wax type 40%	Delustering agent for water-based paint. Shows excellent water-repellent.	○					○	○		Net 18kg can Net 200kg drum
OPTIACT I-10	Nonionic surfactant 100%	Shows excellent fluorescence brightening performance compare with polyvinyl alcohol, carboxy methyl cellulose without increasing the viscosity of coating color. Direct addition is available without dissolving process as polyvinyl alcohol.								○	Net 18kg can Net 200kg drum Net 1000kg container
NOPCOMUL MS-40	Polyethylene paraffin type 40%	Shows excellent unblocking, lubricant, releasing and water repellent	○					○	○	○	Net 17kg can

## Coating Chemicals (Non aqueous)

### Defoamer

Refer the classification of Defoamer at p.21

Product Name	Description & Application	Application							Packaging
		Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER	
		FLAT	GLOSS	ELASTIC					
DAPPO SN -348	Silicone free. Versatile for acrylic, urethane paint.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 15kg can
DAPPO SN -351	Alkyd type. Versatile for air drying coating. Shows excellent anti-foaming performance to high viscosity paint and excellent leveling performance.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 15kg can
DAPPO SN -354	Silicone free type. Versatile for air drying coating.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 15kg can
DAPPO SN -357-LS	Versatile for solvent type paint, especially for turpentine soluble acrylic paint.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 14kg can
DAPPO SN -359	Versatile for turpentine soluble acrylic, acryl-urethane paint. Also versatile for soil releasing paint.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 14kg can
DAPPO SN -363	Versatile for turpentine soluble acrylic, acryl-urethane paint. Shows excellent anti-foaming performance at various temperature.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 14kg can
DAPPO SN -365	Versatile for turpentine soluble acrylic, acryl-urethane paint. Shows excellent anti-foaming performance at high temperature(50°C).	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 14kg can
DAPPO SN -367	Versatile for high viscosity paint, air drying paint, turpentine soluble acrylic-urethane paint. Shows excellent anti-foaming performance.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 14kg can
DAPPO SN -374	Versatile for solvent distillation process.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 1kg can
DAPPO SN -510	Silicone free type. Versatile for quick drying lacquer, curtain flow coatings.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 14kg can
DAPPO SN -530	Versatile for inks. Less catering.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 14kg can

### Dispersant

Product Name	Composition, Content	Description & Application	Application							Packaging
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER	
			FLAT	GLOSS	ELASTIC					
NOPCOSPERSE 092	Cationic surfactant 100%	Shows excellent dispersibility for fine powder in diesel oil, for pigments to organic solvent.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 18kg can
SN-DISPERSANT 9228	Ester type nonionic surfactant 100%	Versatile for ferrite, fine ceramics in organic solvent. Useful as both wetting agent and dispersant.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 18kg can
SN-SPERSE 70	Nonionic surfactant 100%	Dispersant for grinding process of pigments. Versatile for magnetic ink, magnetism tape.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 17kg can Net 200kg drum
SN-SPERSE 2190	Polycarboxylic acid amine salt 51%	Versatile for various pigment using together bentonite. Prevent flooding.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 15kg can

### Leveling agent, Tackifier

Product Name	Composition, Content	Description & Application	Application							Packaging
			Paints			INK	INDUSTRIAL	ADHESIVE	COATED PAPER	
			FLAT	GLOSS	ELASTIC					
SN-LEVELER S-906-10	Modified silicone type 10%	Show excellent leveling performance. Prevent wrinkle and shrink or paint surface.	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>			Net 16kg can

### Ultraviolet hardening type compounds

Product Name	Composition, Content	Description & Application	Packaging
NOPCOCURE 1669	Acrylate type compounds 100%	Flexible hard coat material with anti-fouling performance. Versatile for casted film. Shows excellent adhesiveness to various plastic base.	Net 18kg can





## Process Chemicals

### Defoamer for resin, rubber, emulsion, latex making process

Product Name	Description & Application	Packaging
SN-DEFOAMER PC	Anti-foaming agent for polyvinyl alcohol.	Net 18kg can Net 200kg drum
SN-DEFOAMER 364	Anti-foaming agent with long lasting effect.	Net 16kg can Net 160kg drum
SN-DEFOAMER 381	Silicone emulsion type anti-foaming agent. Excellent mechanical stability.	Net 18kg can
SN-DEFOAMER 385	Silicone emulsion type anti-foaming agent with less cratering.	Net 16kg can Net 200kg drum
SN-DEFOAMER 419	Versatile silicone emulsion type anti-foaming agent.	Net 17kg can
SN-DEFOAMER 444	Anti-foaming agent for polyvinyl alcohol. Less damage to transparency of polyvinyl alcohol solution.	Net 17kg can Net 180kg drum
SN-DEFOAMER 470	Anti-foaming agent with good dispersibility and less cratering.	Net 18kg can Net 190kg drum
SN-DEFOAMER 477-NS	Silicone-free anti-foaming agent.	Net 15kg can Net 170kg drum
SN-DEFOAMER 477T	Anti-foaming agent for monomer stripping process. Less cratering.	Net 15kg can Net 170kg drum
SN-DEFOAMER 479	Anti-foaming agent for monomer stripping process. Stability of dilute solution is excellent.	Net 15kg can Net 170kg drum
SN-DEFOAMER 485	Anti-foaming agent for polyvinyl alcohol.	Net 18kg can Net 200kg drum
SN-DEFOAMER 522	Anti-foaming agent for finished process of latex. Less cratering.	Net 16kg can Net 180kg drum
SN-DEFOAMER 1330	Anti-foaming agent effective for acrylic type emulsion. Good for foam breaking.	Net 16kg can Net 180kg drum
SN-DEFOAMER 1390	Versatile metal soap type anti-foaming agent.	Net 16kg can Net 180kg drum
NOPTAM 740A	Anti-foaming agent for polyvinyl alcohol. Less damage to transparency of polyvinyl alcohol solution.	Net 18kg can Net 200kg drum

### Emulsifier

Product Name	Description & Application	Packaging
SN-WET N	Improve chemical stability of natural and synthetic rubber, latex, and effective for dispersibility of organic pigment.	Net 17kg can
SN-WET 970	Low foaming anion type wetting agents. High efficiency of reduction on surface tension. Excellent wettability and penetrating property to emulsion.	Net 18kg can Net 200kg drum
SN-WET 991	Improve wetting of pigments.	Net 18kg can
NOPCALL E-9001	Copolymerizable emulsifier. Improve emulsifying ability and copolymerizability with monomers, such as alkyl acrylate (or methacrylate).	Net 18kg can Net 190kg drum

### Defoamer for electronic component making process

Product Name	Description & Application	Packaging
SN-DEFOAMER PC	Anti-foaming agent with good dispersibility and less cratering.	Net 18kg can Net 200kg drum
SN-DEFOAMER 470	Anti-foaming agent with good dispersibility and less cratering.	Net 18kg can Net 190kg drum

### Dispersant and Lubricant for fine ceramics manufacturing process

Product Name	Composition, Content	Description & Application	Packaging
SN-COTE 293	Fatty acid ester, etc. 45%	Effective for improving water resistance and preventing for blocking.	Net 18kg can Net 200kg drum
NOPCOTE PEM-17	Polyethylene 40%	Anti-blocking agent	Net 18kg can Net 200kg drum
NOPCOMUL MS-40	Polyethylene wax 40%	Effective for preventing for cracking and blocking.	Net 17kg can
NOPCOSPERSE 5600	Ammonium salts of polycarboxylic acid 40%	Versatile for dispersing fine particle type fine ceramics.	Net 20kg can
NOPCOCERA LU-6418	Stearic acid 40%	Versatile for mold release agent for fine ceramics.	Net 16kg can Net 180kg drum
SN-DISPERSANT 5020	Ammonium salts of polycarboxylic acid 40%	Ammonium salt type dispersant. Excellent dispersing performance of ferrite and fine ceramics. Less residue after sintering.	Net 20kg can Net 230kg drum
SN-DISPERSANT 5023	Ammonium salts of polycarboxylic acid 40%	Ammonium salt type dispersant. Excellent dispersing performance of ferrite and fine ceramics. Less residue after sintering. Prevent cracking after sintering.	Net 20kg can Net 225kg drum
SN-DISPERSANT 5027	Polycarboxylic acid ammonium salt 20%	Dispersant with excellent water resistance.	Net 18kg can Net 220kg drum
SN-DISPERSANT 5029	Polycarboxylic acid ammonium salt 25%	Excellent water resistance.	Net 18kg can
SN-DISPERSANT 5468	Ammonium salts of polycarboxylic acid 40%	Ammonium salt type dispersant. Excellent dispersing performance of ferrite and fine ceramics. Less residue after sintering.	Net 20kg can Net 230kg drum
SN-DISPERSANT 6100	Polycarboxylic acid amine salt, polyoxyalkylene glycol monomethyl ether, etc. 70%	Excellent dispersing performance of ferrite and fine ceramics. Less residue after sintering. Good for both hydrophilic particles and hydrophobic particles.	Net 18kg can
LOMAR PWA-40K	Formaldehyde-naphthalenesulfonic condensate sodium salt 40%	Versatile for dispersing ceramics, pigment, emulsion particles. Effective for emulsifier of emulsion polymerization.	Net 20kg can Net 230kg drum
SN-SPERSE 2190	Polycarboxylic acid amine salt 51%	Versatile for dispersing various pigments and prevent flooding. More effective with bentonite.	Net 15kg can
SN-DISPERSANT 9228	Ester type nonionic surfactant 100%	Wetting and dispersing agent for ferrite and fine ceramics in organic solvent.	Net 18kg can

## Dispersant for pigment (inorganic, organic)

Product Name	Composition, Content	Description & Application	Packaging
NOPCOSPERSE 44-C	Polycarboxylic acid sodium salt 40%	Low foaming dispersant. Show excellent color acceptance and viscosity stability.	Net 20kg can Net 250kg drum
NOPCOSPERSE 5600	Polycarboxylic acid sodium salt 40%	Versatile for fine particle type ceramics.	Net 20kg can
SN-DISPERSANT 2010	Polycarboxylic acid sodium salt 30%	Versatile poly carboxylic type dispersing agent. Effective for preventing settling.	Net 20kg can
SN-DISPERSANT 2060	Phosphonic acid amine salt 50%	Versatile for low viscosity slurry, general paint, color base.	Net 18kg can
SN-DISPERSANT 4215	Cationic surfactant 20%	Versatile dispersant for silicon nitrite, silicon carbide. Effective in alcohol solution.	Net 18kg can
SN-DISPERSANT 5020	Polycarboxylic acid ammonium salt 40%	Excellent dispersing performance of ferrite and fine ceramics. Less residue after sintering.	Net 20kg can Net 230kg drum
SN-DISPERSANT 5023	Polycarboxylic acid ammonium salt 40%	Excellent dispersing performance of ferrite and fine ceramics. Less residue after sintering.	Net 20kg can Net 225kg drum
SN-DISPERSANT 5027	Polycarboxylic acid ammonium salt 20%	Dispersant with excellent water resistance.	Net 18kg can Net 220kg drum
SN-DISPERSANT 5029	Polycarboxylic acid ammonium salt 25%	Dispersant with water resistance.	Net 18kg can
SN-DISPERSANT 5033	Polycarboxylic acid sodium salt 30%	Versatile dispersing agent for fine particle inorganic pigment.	Net 20kg can
SN-DISPERSANT 5034	Polycarboxylic acid sodium salt 40%	Excellent dispersing performance for fine inorganic particles. Versatile for precipitated calcium carbonate.	Net 20kg can Net 250kg drum
SN-DISPERSANT 5468	Polycarboxylic acid ammonium salt 40%	Excellent dispersing performance of ferrite and fine ceramics. Less residue after sintering.	Net 20kg can Net 230kg drum
SN-DISPERSANT 6100	Polycarboxylic acid amine salt, polyoxyalkylene glycol monomethyl ether, etc. 70%	Versatile for dispersing inorganic pigment, organic pigment. Excellent color development, color acceptance, water-repellency of paint.	Net 18kg can
SN-DISPERSANT 6150	Polycarboxylic acid amine salt, polyoxyalkylene glycol monomethyl ether, etc. 73%	Versatile for organic pigment(magenta, yellow). Excellent color development, color acceptance of paint.	Net 18kg can
SN -PW-43	Formaldehyde-naphthalenesulfonic condensate sodium salt 41%	Versatile for dispersing ceramics, pigment, emulsion particles. Also versatile for emulsifier for emulsion polymerization.	Net 20kg can
LOMAR D	Formaldehyde-naphthalenesulfonic condensate sodium salt 81% powder	Versatile for dispersing calcium carbonate, clay, cement, carbon black.	Net 24.9kg bag
LOMAR PWA-40K	Formaldehyde-naphthalenesulfonic condensate ammonium salt 40%	Versatile for dispersing ceramics, pigment, emulsion particles. Also versatile for emulsifier of emulsion polymerization.	Net 20kg can Net 230kg drum
LOMAR PWH	Formaldehyde-naphthalenesulfonic condensate sodium salt 88% powder	Versatile for dispersing pigments, inorganic pigments and emulsifier for emulsion polymerization.	Net 22.6kg bag
NOPCOSPERSE 092	Cationic surfactant 100%	Excellent dispersibility of fine powder of carbon into diesel oil and pigments into organic solvent.	Net 18kg can Net 200kg drum
SN-DISPERSANT 9228	Ester type nonionic surfactant 100%	Versatile for ferrite, fine ceramics in organic solvent. Useful as both wetting agent and dispersant.	Net 18kg can
SN-SPERSE 70	Nonionic surfactant 100%	Dispersant for grinding process of pigments. Versatile for magnetic ink, magnetism tape.	Net 17kg can Net 200kg drum
SN-SPERSE 2190	Polycarboxylic acid amine salt 51%	Versatile for various pigment using together bentonite. Prevent flooding.	Net 15kg can

## Defoamer for exterior siding board making process

Product Name	Description & Application	Packaging
SN-DEFOAMER 170	Polyether type foam breaking/anti-foaming agent. Versatile for architectural siding board making process.	Net 17kg can Net 180kg drum
SN-DEFOAMER 265	Polyether type foam breaking/anti-foaming agent. Versatile for treatment of drainage water of architectural siding board making process.	Net 18kg can Net 200kg drum Net 1000kg container
SN-DEFOAMER 464	Polyether type foam breaking/anti-foaming agent. Versatile for architectural siding board making process.	Net 18kg can
SN-DEFOAMER 577	Emulsion type deaerator/anti-foaming agent. Versatile for architectural board making process. Show no adverse effect to water resistance and prevent foaming of drainage water and flocculation by foaming.	Net 17kg can Net 200kg drum Net 1000kg container

## Defoamer for cement, Anti-skinning agent, Surface appearance improver

Product Name	Description & Application	Packaging
SN-DEFOAMER 55-P	Pre-mix type powder type deaeration, anti-foaming agent for powder type product (cement, gypsum, polyvinyl alcohol, starch etc.)	Net 7kg can Net 20kg cardboard box Net 70kg drum
SN-DEFOAMER 60-FP		Net 9kg can Net 25kg cardboard box Net 85kg drum
SN-DEFOAMER 77-P		Net 7kg can Net 20kg cardboard box Net 70kg drum
SN-DEFOAMER 88-P		Net 7kg can
SN-CLEANACT 73		To give concrete slurry wettability to the formwork, improve the surface appearance.
SN-CLEANACT 900	Delaying the drying of the surface of cement type coating during setting. Versatile for preventing skinning and wrinkling.	Net 16kg cardboard box

## Defoamer for metal process

Product Name	Description & Application	Packaging
SN-DEFOAMER 1330	Metal soap type anti-foaming agent. Good for foam breaking.	Net 16kg can Net 180kg drum
SN-DEFOAMER 470	Polyether type anti-foaming agent with less scum and cratering.	Net 18kg can Net 190kg drum
SN-DEFOAMER 477T	Amide wax type anti-foaming agent. Good for anti-foaming.	Net 15kg can Net 170kg drum
SN-DEFOAMER 5100	Anti-foaming agent with long lasting ability and good water dispersibility.	Net 15kg can Net 170kg drum

## Defoamer for Kraft pulp washing process

Refer the classification of Defoamer at p.21

Product Name	Appearance	Description & Application	Packaging
SN-DEFOAMER 230K	Light Yellowish Liquid	Oil based anti-foaming agent/deaerator. Effective for both soft wood and hard wood black liquor.	Net 16kg can Net 180kg drum
SN-DEFOAMER 505K	White opaque liquid	Silicone emulsion type anti-foaming/deaerator. Shows good durability and pitch decreasing effect. Effective with fewer dosages than that of oil based anti-foaming agent.	Net 18kg can Net 200kg drum Net 1000kg container

## Cooking accelerator of Kraft pulp process, Oxygen bleaching accelerator

Product Name	Appearance	Description & Application	Packaging
LIGNOSOLVER DI-750	Light Yellowish Liquid	Cooking accelerator for craft pulp process. Improve the yield of pulp with the use of anthraquinone together. And effective for preventing tip hanging.	Net 200kg drum Net 1000kg container
LIGNOSOLVER OBA-60	Light Yellowish Liquid	Oxygen bleaching accelerator for craft pulp process with low foaming. By accelerating delignification, improving bleaching effect.	Net 18kg can Net 200kg drum Net 1000kg container

## Defoamer for screen room and bleaching process

Product Name	Appearance	Description & Application	Packaging
SN-DEFOAMER 171	Light Yellow Liquid	Polyether type defoaming agent with excellent quick performance. Versatile for paper making process of base paper of coating, liner board.	Net 17kg can Net 180kg drum Net 1000kg container
SN-DEFOAMER 265	Yellow transparent Liquid	Foam breaking/anti-foaming agent for paper making, clear coating process.	Net 18kg can Net 200kg drum Net 1000kg container
SN-DEFOAMER 577	White Liquid	High-alcohol emulsion type defoamer which does not influence to size fastness. Effective for wide variety of conditions, especially for high temperature paper-making process.	Net 17kg can Net 200kg drum Net 1000kg container

## Defoamer for paper making process

Product Name	Appearance	Description & Application	Packaging
SN-DEFOAMER 171	Light Yellow Liquid	Polyether type foam breaking, anti-foaming agent with quick effect. Versatile for paper making process of base paper for coating, liner board.	Net 17kg can Net 180kg drum Net 1000kg container
SN-DEFOAMER 265	Yellow transparent Liquid	Foam breaking, anti-foaming agent for paper making, clear coating process.	Net 18kg can Net 200kg drum Net 1000kg container
SN-DEFOAMER 577	White Liquid	High-alcohol emulsion type defoamer which does not influence to size fastness. Effective for wide variety of conditions, especially for high temperature paper-making process.	Net 17kg can Net 200kg drum Net 1000kg container

## Defoamer for waste water

Product Name	Description & Application	Packaging
DAPPO H-106N	Mineral oil type foam breaking, anti-foaming agent for waste water of chemical industries. Versatile for foaming by nonion, anion, cation type surfactant.	Net 15kg can
DAPPO H-203	Silicone emulsion type foam breaking, anti-foaming agent for high temperature and high alkali waste water. Versatile for general waste water without adverse effect for activated sludge treatment process.	Net 18kg can Net 200kg drum
DAPPO H-205N		Net 18kg can Net 180kg drum
DAPPO H-210		Net 17kg can
DAPPO H-304N	Wax emulsion type foam breaking, anti-foaming agent for various waste water with less oil spot. Versatile for waste water of activated sludge treatment and final effluent.	Net 16kg can Net 180kg drum Net 950kg container
DAPPO H-307		Net 17kg can Net 200kg drum Net 1000kg container
DAPPO H-312		Net 17kg can Net 200kg drum Net 1000kg container
DAPPO H-404	Polyether type foam breaking, anti-foaming agent for protein substances rich waste water. Versatile for waste water of fermentation, food industries.	Net 18kg can Net 200kg drum Net 1000kg container
DAPPO H-406		Net 18kg can Net 200kg drum

■ **This is a chemical product developed and produced for industrial use. It is strictly requested not to use this product to the application to be taken into human body.**

### ■ The classification of Defoamer

The function of defoamer is classified into three kinds. Function and agent types are defined as follows.

「Classification of function」

- (1) Foam Breaking : Unite or break foams by penetrating the foam from the air side.
- (2) Anti-foaming : Make foams hardly made by penetrating the foam from the liquid side and unites or breaks them.
- (3) deaerator : Make foams easily rise by penetrating the interfacial surface of the foam and unites them.

「Classification of agent type」

Defoamer	: General terms of Foam breaking agent. Anti-foaming agent and Deaerator.
Foam breaking agent	: The agent which penetrates the foam from the air side and unites or breaks foams.
Anti-foaming agent	: The agent which penetrates the foam from the liquid side and unites or breaks foams. Eventually foams will hardly be made.
Deaerator	: The agent which penetrates the surface of the foam and unites foams. The foams easily rise.
Foam breaking agent · Anti-foaming agent	: The agent which mainly has foam breaking function for Anti-foaming function.
Anti-foaming agent · Foam breaking agent	: The agent which mainly has Anti-foaming breaking function for Deaerator function.
Deaerator · Anti-foaming agent	: The agent which mainly has Deaerator function for Anti-foaming function.
Anti-foaming agent · Deaerator	: The agent which has Anti-foaming function for Deaerator function.