



Akishima Chemical Co., Ltd. was established in 1946 in Japan.

With almost 80 years of experience in developing and producing PVC stabilizers, we are committed to using environmentally friendly and non-toxic materials **(lead and phenol free)**.

Our stabilizers are acknowledged as best-in-class for Food Wrapping, Transparent Films for the Building & Construction Industry and Automotive Interior Soft Trim.

PVC STABILIZERS

- BaZn : Liquid / Powder
- CaZn : Liquid / Powder
- Organic Based or Biomass Based Stabilizers
- Co-Stabilizers

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BaZn Stabilizers

APPLICATION	NAKAN CODE	END PRODUCT (Flexible, Semi-Flexible, Rigid, Paste)	PROCESS					PROPERTIES & FEATURES
			CALENDERING	EXTRUSION	COATING	DIPPING	INJECTION	

■ BaZn (Liquid)

Films and sheets	LT 700W	F / S	X					Excellent thermal stability, printability and prevention of die buildup.
Films and sheets	LT 702H	F / S	X					Low-VOC 2K type stabilizer with excellent thermal stability. Should be used with LT 70S.
Foam leather	LT 900D	F / S	X					Superior surface smoothness and improved foaming performance (homogeneity of cells).
Films and sheets	LT 704K	F / S		X				Excellent thermal stability and prevention of discoloration over time.
Films and sheets	LT 704N	F / S		X				Compliant with Japanese PRTR. Excellent thermal stability, prevention of discoloration over time.
Non-foam wallpaper, Tarpaulin	LT 810A	P			X			High thermal stability, excellent weatherability, stable plastisol viscosity and, prevention of discoloration.
Foam Wallpaper	LT 804B	P			X			Excellent plastisol viscosity stability and discoloration prevention. Improved foaming performance.
Flooring	LT 810B	P			X			High transparency, excellent water-whitening resistance, stable plastisol, prevention of discoloration over time
Automotive Leather and Interior Trim	LT 704J	F / S	X					Low-VOC and fogging, low odor.

■ BaZn (Powder)

Films and sheets Flooring	LT 70S	F / S	X					Low-VOC 2 pack type stabilizer with excellent thermal stability, Should be used with LT 702H.
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CaZn Stabilizers

APPLICATION	NAKAN CODE	END PRODUCT (Flexible, Semi-Flexible, Rigid, Paste)	PROCESS					PROPERTIES & FEATURES
			CALENDERING	EXTRUSION	COATING	DIPPING	INJECTION	

■ CaZn (Liquid)

Food Wrap Consumer	FD-4B	F / S		X				Possible to meet JCII and FDA. Low odor , excellent processability, heat stability and transparency.
Food Wrap Industrial (hand wrapping)	FD-34A	F / S		X				Compliant with JCII. Low odor, excellent processability, heat stability and transparency.
Food Wrap Industrial (automated wrapping)	FD-30B	F / S		X				Possible to meet JCII and FDA. excellent processability, heat stability and transparency.
Food wrap Industrial	FD-12A	F / S		X				Possible to meet JCII, FDA and GB 9685-2016 Low odor , excellent processability, heat stability and transparency.

■ CaMgZn (Liquid)

Gloves and leather	LT 850D	P					X	High stability of plastisol viscosity, excellent discoloration prevention and thermal stability.
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■ CaZn (Powder)

Wire and Cable	LT 30J	F / S		X				Excellent discoloration prevention, thermal stability and high heat-aging resistance.
Window Frames	FD-300	R		X				Recommend to replace Tin stabilizer Improved processability, thermal stability and excellent weatherability.

Environmentally Friendly Stabilizers

APPLICATION	NAKAN CODE	END PRODUCT (Flexible, Semi-Flexible, Rigid, Paste)	PROCESS					PROPERTIES & FEATURES
			CALENDERING	EXTRUSION	COATING	DIPPING	INJECTION	

■ Biomass-Based, Organic-Based Stabilizers (Powder)

Rain gutter	FD-301	R		X				Recommended to replace Tin stabilizer Organic-Based stabilizers : Calcium and zinc metal-organic compound (Heavy metal free) Excellent processability, heat stability and color retention.
Films and sheets	BS 100	F / S		X	X			Biomass 70% CaZn stabilizer Excellent heat stability Low odor
Films and sheets	BS 201	F / S				X		Biomass 70% CaZn stabilizer Excellent heat stability Low odor
Films and sheets	BS 304	F / S					X	Biomass 70% CaZn stabilizer Excellent heat stability Low odor

The products featured in this catalog represent a selection of our standard offerings. We provide over 350 stabilizers (liquid or powder) for a wide range of applications such as rigid, semi-rigid or flexible PVC.

Products with a reduced impact on the environment or health are shown in green.

Co-Stabilizers

APPLICATION	NAKAN CODE	TYPE	END PRODUCT (Flexible, Semi-Flexible, Rigid, Paste)	PROCESS			PROPERTIES & FEATURES
				CALENDERING	EXTRUSION	COATING	

■ Co-heat stabilizer (Liquid and Powder)

Films and sheets, others	TS 881A	Hydrotalcite (Powder)	F / S / R	X	X		Improved heat stability.
Films, all purpose	A 1786	Zeolite (Powder)	F / S / R	X	X		Improved heat stability.
Films	LT 1000K	Phosphite (Liquid)	F / S / R	X	X		Improved heat stability, weatherability and prevention of discoloration.
Films	LT 1000H	Phosphite (Liquid)	F / S / R	X	X		Excellent heat stability, weatherability, color retention and transparency.
Outdoor building materials	A 1821	Phenolic antioxidant (Powder)	F / S / R / P	X	X	X	Improved heat stability.

■ UV Absorbers (Powder)

Outdoor building materials	A 1754	Benzophenone	F / S / R / P	X	X	X	Improved wheatherability.
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■ Hindered amine light stabilizers (HALS)

Outdoor building materials	A 1796	HALS	F / S / R / P	X	X	X	Improved wheatherability.
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■ Processing Aid, Foaming Agent, Impact Modifier (Liquid and Powder)

Films and sheets, others	TE-12	Phosphorus (Liquid)	F / S / R	X	X	X	Die build-up prevention and improved processability.
Foam wallpaper	F-300K	Acrylic (Liquid)	F / S / R			X	Foam homogenization and stabilization.
Window frame Pipe	D-320	Acrylic (Powder)	R		X		Improved impact resistance and weatherability. Reduces/eliminates the use of processing aids.






■ Initial Coloring Inhibitor (Powder)

Films and sheets, others	TE-83B	β-Diketone	F / S / R	X	X	X	Discoloration prevention.
Films and sheets, others	RH-50	β-Diketone	F / S / R	X	X	X	Discoloration prevention, FDA approved.

■ Multi-Purpose (Liquid)

Films and sheets, foam wallpaper, automotive part, leather	MP-100	Perchlorate	F / S / R / P	X	X	X	Excellent amine catcher to prevent contamination. Excellent heat stability, color retention and mechanical properties.
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Packaging Solutions

PACKAGING	VOLUME	NET WEIGHT	DOMESTIC MARKET	OVERSEAS MARKET
<div>IBC</div> 	1000 L	~1000 kg	Returnable	1-way
<div>DRUM</div> 	200 L	~190 kg	1-way Returnable	1-way
<div>CAN</div> 	18 L	~18kg	1-way	
<div>FIBC (BIG-BAG)</div> 	500 L or 1000 L 400 L	~400-1000 kg	1-way Returnable	1-way 1-way
<div>POLYETHYLENE BAG</div> 		~25 kg 555 x 910 mm	1-way	1-way

All products for exports are shipped on plastic pallets. A variety of packaging are available to meet your specific requirements.