



南亚安定剂

NAN YA STABILIZERS



南亞塑膠工業股份有限公司
NAN YA PLASTICS CORPORATION

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前 言 INTRODUCTIONS

PVC材质具有许多的特性，诸如强韧性、防水性抗化学药性、抗腐蚀、电气绝缘性、耐候性、高机械强度等等，故PVC产品种类非常广泛。如衣著类、皮包、玩具、家俱、包装材、建材、装饰品、塑胶管、接头等，上述制品不论是以压延加工、射出成型、押出成型及涂布成型，在加工制程上，无疑地安定化作用是最基本且重要课题。

南亚塑胶公司从事上述产品之加工生产，有多年经验与历史。基于经验之累积，能提供客户完善的技术服务及品质优良而稳定的产品。

- 具自滑型，可单品使用，以简化配方用料。
- 液体易自动计量，可降低人工成本。
- 可促进胶料之胶化，无形中提高产速与产量。
- 耐热、光安定性效果佳，加工履历长。
- 初期著色与透明度均获得良好的效果。

因之，在用途上包括：一般软硬质胶布、胶皮、无铅镉要求、耐候要求、异押及射出等制品。为符合日益严苛环保要求，南亚率先开发以钡锌系安定剂取代传统的镉钡锌系安定剂供软质PVC加工，开发锡安定剂取代铅系安定剂供硬管、窗框等硬质PVC加工外。其相关的加工配方均已转换成功达到无铅镉化及3P Free的目标。

本印刷册介绍本公司生产之安定剂的种类、特性、用途及品质通过ISO-9001认证，并供各项PVC加工制程使用且品质优异，请放心采用。

PVC materials have many different(specific) characteristics such as elasticity, waterproofness, chemical resistance, anti-corrosion, electric insulation resistance and high mechanical strength. They, therefore, can be made into a wide range of PVC products like garments, leather cases, toys, furniture packing materials, building materials, decoration items, pipes and fittings. When Nan Ya's stabilizers are added to the materials, whether they are molded by calendering, injection, extrusion and coating into products, the stabilizing can be achieved during processing.

Nan Ya is proud of its many years experience in the manufacture of the PVC products. After many years of experience and extensive R&D, Nan Ya is now pleased to introduce to the public a special liquid stabilizer which has following characteristics :

- Self-lubricating allowing for use as single package system.
- Liquid in form, for easy automatic dosage, and the labor cost reduction.
- Gelation compounds enhancing capability which increases production speed.
- Good heat and light stability and better processibility.
- Better initial color and transparency of products.

Nan Ya liquid form stabilizers can be utilized in production of rigid and flexible PVC sheeting, leather, and are free from contamination by lead or cadmium products made by calender, extruder, or coating machines. To conform to the environmental protection standards, we first developed the Ba-Zn stabilizers to substitute the Cd-Ba-Zn stabilizers, and for flexible PVC processibility. We also developed the organo tin liquid stabilizers to substitute Pb stabilizers, because it enhances rigid PVC pipes and window frames processibility.

Nan Ya new liquid stabilizers are ISO-9001 certified, you can be confident that our products will meet or exceed your quality requirements.

A.复合液体钡锌安定剂Liquid Ba/Zn Complex Stabilizers

主要成份 Main Components	产品名 Items	特性 Characteristics	用途 Uses	参考配方 Reference Formula	包装 Packing
Liquid Ba/Zn	LQX-3K-8T LQX-19T	<ul style="list-style-type: none"> 可取代镉钡锌液体安定剂制品。 具自滑性，可单品使用。 初期著色佳，适合白色高温加硫制品使用。 与Epoxy并用可得极佳的效果。 储存安定性良好。 Cd-Ba-Zn stabilizers can be substituted. With self-lubricating effect; can be used as one-package. Excellent in initial color; suitable for white PVC products in high temperature vulcanization application. Blending with epoxy soybean oil can get excellent synergistic effect. good storage stability. 	<ul style="list-style-type: none"> 适合压延、押出加工之软质或半硬质PVC制品。 适合透明、特白色或者浅色制品，可耐高温加硫处理。 For flexible and semi-rigid PVC products by calendering or extrusion process. 	PVC :100phr DINP :45~55phr ESO :2.0~3.0 phr CaCO ₃ :10~15 phr Liq-stab :1.0~3.0 phr	200kg Drum
Liquid Ba/Zn (NP-free)	LQX-38N	<ul style="list-style-type: none"> 无壬基酚之成份安定剂制品。 Nonyl Phenol-free stabilizers. 	<ul style="list-style-type: none"> Suitable for transparency, white or light color products which can be treated with high temperature vulcanization. 	PVC :100phr DINP :60~70phr ESO :2.0~3.0 phr CaCO ₃ :10~40 phr Zn-st :0.1~0.2 phr Liq-stab :2.0~3.5 phr	
Liquid Ba/Zn (2P-free)	LQX-65P LQX-29P LQX-34P LQX-24PA LQX-39PT	<ul style="list-style-type: none"> 无壬基酚、双酚A之成份安定剂制品。 Nonyl Phenol-free、BPA-free stabilizers. 			
Liquid Ba/Zn (3P-free)	LQX-14K LQX-24K-2 LQX-30KF8	<ul style="list-style-type: none"> 无壬基酚、双酚A、苯酚之成份安定剂制品。 Nonyl Phenol-free、BPA-free、Phenol-free stabilizers. 			180kg Drum
Liquid Ba/Zn (for wire and cable, hose)	LQX-15T	<ul style="list-style-type: none"> 破坏电压、体积阻抗及表面阻抗可符合电器制品要求。 较高温高湿环境下使用。 Can meet the most demanding of electric appliances on breakdown voltage, and volume & surface resistance. Can be used under a high temperature & high humidity condition. 	<ul style="list-style-type: none"> 适合压延、押出加工之软质或半硬质PVC制品。 For flexible and semi-rigid PVC product by extrusion process. 	PVC :100phr DINP/TOTM/Cl-paraffin :60~70phr ESO :2.0~3.0 phr Zn-st :0.1~0.2 phr CaCO ₃ /Clay : As required Liq-stab :2.0~4.0 phr	200kg Drum
Liquid Ba/Zn (Special Metal Soap Complex)	LFX-800A	<ul style="list-style-type: none"> 发泡层之发泡倍率，气泡致密度，色水具稳定之效果。 可降低加工温度约10°C，节约能源。 可改善发泡制品之白化吐出现象。 具自滑性，通常可单品使用，或并用少量硬脂酸加工。 减少配装粉体所成之污染与人工。 Expansion ratio, cell structure and foam color is very stable for foam layer. Can reduce processing temperature about 10°C and conserve energy. Can improve blooming and plate-out properties for foam product. With self-lubricating effect; can be used as one-package or add a small amount of stearic acid in processing. Cut down the pollution and work done by hand. 	<ul style="list-style-type: none"> PVC 压延加工发泡层专用安定剂。 Especially used in PVC calendering foam layer. 	PVC :100phr DINP :45~120phr CaCO ₃ :0~30 phr ADCA :2.5~6.5 phr Chelator :0.5~1.0 phr Liq-stab :3.0~6.5 phr	
	LFX-900A	<ul style="list-style-type: none"> 不含有机锡成份。 Organotin-free. 		PVC :100phr DINP :45~120phr CaCO ₃ :0~30 phr ADCA :2.5~5.0 phr Powder-stab:1.0~2.5 phr Liq-stab :1.5~2.5 phr	200kg Drum

B. 涂布加工用液体安定剂 Liquid Stabilizers for Casting PVC Leather

主要成份 Main Components	产品名 Items	特性 Characteristics	用途 Uses	参考配方 Reference Formula	包装 Packing
Liquid Ba/Zn (Top layer)	LFX-80 LFX-81	<ul style="list-style-type: none"> ● 特佳之溶剂离散力。 ● 无吐出及渗出之现象。 ● 无硫化污染性。 ● Blowing velocity of solution is very rapid. ● No blooming and bleeding. ● No sulfur staining. 	<ul style="list-style-type: none"> ● 涂布加工制品之面料或低发泡层适用。 ● 地毯制品。 ● For top layer or foam PVC paste coating application. ● Use for flooring . 	PVC :100phr DINP :50~70 phr CaCO ₃ :10~15 phr ESO :1.0~2.0 phr Liq-stab :15~25 phr	170kg Drum
Liquid Ba/Zn (Foam layer)	LFX-108 LFX-108A	<ul style="list-style-type: none"> ● 对发泡层提供极佳之致密性，适后压花制品。 ● 特别适合高倍率发泡制品。 ● 无硫化污染性。 	<ul style="list-style-type: none"> ● Impart fine-cell structure to foam products. ● Especially suitable for high expansion ratio paste coating products. ● No sulfur staining. 	PVC :100phr DINP :50~100 phr ESO :0.5~1.0 phr CaCO ₃ :10~30 phr ADCA :3.7~5.5 phr Liq-stab :1.5~2.0 phr	
Liquid Na/Zn (Foam layer)	LFX-120D		<ul style="list-style-type: none"> ● 高发泡倍率涂布加工制品适用(如壁纸、地毯、柔软皮等)。 ● High expansion ratio PVC paste coating application. (Such as wall covering, floor covering and artificial leather etc.) 		200kg Drum
Liquid Na/Ba/Zn (Foam layer)	LFX-110C	<ul style="list-style-type: none"> ● 低挥发量。 ● Low volatilization. 		PVC :100phr DINP :50~70 phr ESO :1.0~1.5 phr CaCO ₃ :30~90 phr ADCA :3.7~5.5 phr Liq-stab :2.0~3.0 phr	

● 光反应性微差扫描热分析仪 Differential Scanning Calorimeter



● 动态机械黏弹仪 Dynamic Mechanical Test



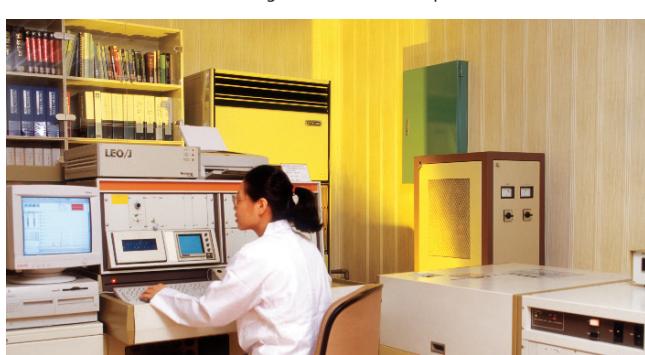
● 凝胶渗透层析仪 Gel Permeation Chromatography



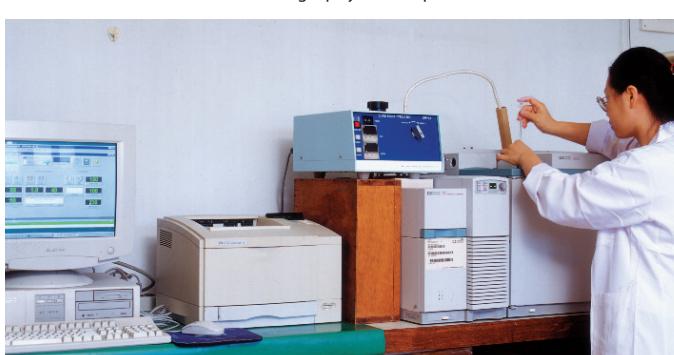
● 液相色层分析仪 High Performance Liquid Chromatography



● 核磁共振光谱仪 Nuclear Magnetic Resonance Spectrometer



● 气相层析/质谱仪 Gas Chromatography/Mass Spectrometer



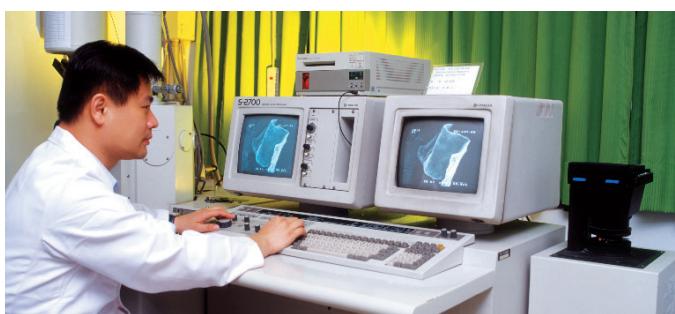
C.复合液体镉钡锌液体安定剂Liquid Cd/Ba/Zn Complex Stabilizers

主要成份 Main Components	产品名 Items	特性 Characteristics	用途 Uses	参考配方 Reference Formula	包装 Packing
Liquid Cd/Ba/Zn (Moderate Concentration)	LX-260B LX-368N LX-368N1	<ul style="list-style-type: none"> ● 中浓度，具自滑性泛用安定剂。 ● 可配合少量粉体金属皂 安定剂或滑剂使用。 ● 热安定性及透明性优良。 ● 与Epoxy 并用可得最佳之相乘效果。 ● 胶化性良好，可提高生产速度。 ● Moderate concentration with self-lubricating effect. ● Can be used with other powder metal soap or lubricant. ● Excellent heat stability and transparency. ● Blending with epoxy soybean oil can get excellent synergistic effect. ● Can improve the gelation of compounds and increase the production speed in processing. 	<ul style="list-style-type: none"> ● 适合软质、半硬质PVC制品。 ● 胶布机、押出加工均可适用。 ● For flexible and semi-rigid PVC products. ● Suitable for calendering and extrusion process. 	PVC :100 DINP :40~60 ESO :1.0~2.0 Cd-Ba (Pb-Zn)-st : 0.5~1.0 Liq-stab :2.0~4.0	200kg Drum
Liquid Cd/Ba/Zn (NP-free)	LX-260BN	<ul style="list-style-type: none"> ● 不含壬基酚之安定剂制程产品 ● Nonyl Phenol-free Stabilizers. 			
Liquid Cd/Ba/Zn (Low Concentration)	LX-260H LX-261H	<ul style="list-style-type: none"> ● 低浓度，具自滑性泛用安定剂。 ● 可配合少量粉体金属皂 安定剂或滑剂使用。 ● 热安定性及透明性优良。 ● 与Epoxy 并用可得最佳之相乘效果。 ● 胶化性良好，可提高生产速度。 ● Low concentration with self-lubricating effect. ● Can be used with other powder metal soap or lubricant. ● Excellent heat stability and transparency. ● Blending with epoxy soybean oil can get excellent synergistic effect. ● Can improve the gelation of compounds and increase the production speed in processing. 	<ul style="list-style-type: none"> ● 适合软质、半硬质PVC制品。 ● 胶布机、押出加工均可适用。 ● For flexible and semi-rigid PVC products. ● Suitable for calendering and extrusion process. 	PVC :100 DINP :40~60 ESO :1.0~2.0 Cd-Ba (Pb-Zn)-st : 0.5~1.0 Liq-stab :2.0~4.0	170kg Drum

●原子吸光仪 Atomic Absorption Spectrophotometer



●扫描式电子显微镜 Scanning Electron Microscope



D.复合钙锌安定剂 Ca-Zn Complex Stabilizers

主要成份 Main Components	产品名 Items	特性 Characteristics	用途 Uses	参考配方 Reference Formula	包装 Packing
Liquid Ca-Zn (2P-free)	LCX-40P LCX-46P	<ul style="list-style-type: none"> ● 无毒性。 ● 无壬基酚、双酚A之成份安定剂制品。 ● 热安定性佳。 ● 脱模性佳。 ● 与Epoxy 并用可得最佳之相乘效果。 ● 无硫化污染性。 ● Non-toxic . ● Nonyl Phenol-free 、BPA-free stabilizers. ● Excellent heat stability. ● Good mold releasing effect. ● Blending with epoxy soybean oil can get excellent synergistic effect. ● No sulfur staining. 	<ul style="list-style-type: none"> ● 糊状树脂用安定剂。 ● 适用于PVC乳浆之涂布、旋转成型及含浸加工。 ● 玩具、手套及食品级包装膜。 ● Stabilizer for paste resin. ● For plastisols processed by coating 、rotational molding and dipping. ● Electrical tapes, toys, gloves and food wrap film. 	PVC :100 DINP :25~80 ESO :2.0~5.0 Liq-stab :0.8~4.0	180kg Drum
Liquid Ca-Zn (3P-free)	LCX-40K	<ul style="list-style-type: none"> ● 无壬基酚、双酚A、苯酚之成份安定剂制品。 ● Nonyl Phenol-free 、BPA-free 、Phenol-free stabilizers. 			
Paste Ca-Zn	PCX-05CE	<ul style="list-style-type: none"> ● 无毒性。 ● 热安定性和透明性佳。 ● 胶化性良好，可提高产速。 ● 与Epoxy 并用可得最佳之相乘效果。 ● 无硫化污染性。 ● Non-toxic. ● Excellent heat stability and transparency. ● Improve the gelation of compounds and increase the production speed in processing. ● Blending with epoxy soybean oil can get excellent synergistic effect. ● No sulfur staining. 	<ul style="list-style-type: none"> ● PVC含浸加工无毒制品。 ● For non-toxic PVC products by dipping processing. 	PVC :100 DINP :40~60 ESO :2.0~5.0 Liq-stab :1.0~4.0	15kg Drum
	PCX-07CEN				100kg Drum
Liquid Ca-Zn	LCX-53M LCX-67MA	<ul style="list-style-type: none"> ● 无壬基酚、双酚A、PTBBA之成份。 ● 低苯酚。 ● 日本JHPA认可，登录号码M-8322。 ● Nonylphenol-free 、BPA-free 、PTBBA -free . ● Low Phenol. ● JHPA-approved , Register No.M-8322. 	<ul style="list-style-type: none"> ● 保鲜膜用安定剂。 ● Stabilizer for wrapping film. 		180kg 200kg Drum
Liquid Ca-Zn	LCX-12C	<ul style="list-style-type: none"> ● 无毒性。 ● 热安定性佳。 ● 与Epoxy 并用可得最佳之相乘效果。 ● 无硫化污染性。 ● Non-toxic. ● Excellent heat stability. ● Blending with epoxy soybean oil can get excellent synergistic effect. ● No sulfur staining. 			200kg Drum
Liquid Ca-Zn (3P-free)	LCX-05C	<ul style="list-style-type: none"> ● 无壬基酚、双酚A、苯酚之成份安定剂制品。 ● 透明性佳。 ● 低气味。 ● Nonyl Phenol-free 、BPA-free 、Phenol-free stabilizers. ● Excellent transparency. ● Low odor. 	<ul style="list-style-type: none"> ● 适合押出加工之软质或半硬质PVC 制品。 ● For flexible and semi-rigid PVC products by extrusion process . 	PVC :100 DINP/TOTM/Cl-Paraffin :60~70 ESO :2.0~3.0 Zn-st :0.1~0.2 CaCO ₃ /Clay :As required Liq-stab :2.0~4.0	200kg Drum
	LCX-15KA	<ul style="list-style-type: none"> ● 低苯酚。 ● Low Phenol. 			180kg Drum
Powder Ca-Zn	SCX-05CE SCX-05CEB	<ul style="list-style-type: none"> ● 低VOC。 ● 胶化性良好，可提高产速。 ● 05CE适用医疗等级。 ● 05CEB适用一班制品。 ● Low VOC. ● Improve the gelation of compounds and increase the production speed in processing. 			15kg Bag

E. 有机锡系液体安定剂 Organotin Liquid Stabilizers

主要成份 Main Components	产品名 Items	特性 Characteristics	用途 Uses	参考配方 Reference Formula	包装 Packing
Special Butytin Complex	SX-3000N	<ul style="list-style-type: none"> 具有良好的气味，无一般硫醇锡系安定剂之异味。 可改善含硫醇锡系安定剂之耐候性、加工性。 具有良好的透明度与初期著色。 无硫化污染性。 加工时与内外部滑剂并用可得更佳的加乘效果。 与EPOXY并用有相乘的效果。 Low odor better than tin mercaptide stabilizer. Can improve the weatherability and processability of tin mercaptide stabilizer. Excellent transparency and initial color. Non sulfur staining. Blending with lubricant and processing aid can get excellent synergistic effect. Blending with epoxy soybean oil can get synergistic effect. 	<ul style="list-style-type: none"> 硬质PVC押出板及异型押出制品使用。 PVC胶合剂、印墨片、表面处理剂用安定剂。 For rigid PVC plate and profile extrusion. Stabilizers of surface coating agent and color chip. 	PVC : 100 phr ESO : 2.0~3.0 phr Lubricant : 1.0 phr Chelator : 0.3~0.5 phr Tin-laurate : 0.5~1.0 phr Liq-Stab : 1.5~2.5 phr	200 kg Drum
Dibutyltin Laurate	WINS-500T	<ul style="list-style-type: none"> 具有良好的气味，无一般硫醇锡系安定剂之异味。 具有良好之耐候性。 耐热性、透明性良好。 与Zn-Cd安定剂并用有相乘的效果。 Low odor better than tin mercaptide stabilizer. Excellent weatherability for exterior application. Excellent heat stability and transparency. Blending with Zn-Cd stearate stabilizer can get synergistic effect. 	<ul style="list-style-type: none"> 硬质PVC 押出、射出制品适用。 PVC表面处理用安定剂。 For rigid PVC extrusion and injection application. For surface coating agent. 	PVC : 100 phr Lubricant : 0.8~1.8 phr Tin-Meleate:0.5~1.0 phr Liq-Stab : 1.5~2.5 phr	200 kg Drum
Butylin Mercaptide	SD-4015A SD-4017B SD-4017BT SD-4030H SD-4015AN	<ul style="list-style-type: none"> 初期著色性佳。 热安定性优良，适合高温加工。 耐硫化污染性佳。 透明度极佳。 加工时与内外部滑剂并用可得更佳之相乘效果。 与ABS、MBS共掺合加工可得更佳之热安定性与加工性。 Good initial color stability. Excellent heat stability suitable for high temperature processing. Excellent anti-sulfur staining ability Good transparency. Blending with internal and external lubricant can get excellent synergistic effect. Blending with ABS or MBS imparts excellent heat stability and processability. 	<ul style="list-style-type: none"> 硬质透明、不透明 PVC胶布适用。 For rigid clear and opaque PVC film. 	PVC : 100 phr Lubricant : 1.2~2.0 phr Liq-Stab : 2.0~2.5 phr	200 kg Drum
	SD-4160BE SD-4020M	<ul style="list-style-type: none"> 耐水性佳，无折角白化。 Excellent water resistance ,no whiteness when folding. 	<ul style="list-style-type: none"> 硬质押出、硬质发泡、射出加工适用。 For rigid PVC extrusion, rigid PVC foamed and injection processing. 	PVC : 100 phr Lubricant : 1.2~1.7 phr Liq-Stab : 1.5~2.5 phr	200 kg Drum
Octyltin Mercaptide	SD-8032S SD-8033	<ul style="list-style-type: none"> 日本JHPA认可，登录号码M-7388。(SD-8032S) 符合食品包装要求之硫醇锡系安定剂。 初期著色性佳。 热安定性优良，适合高温加工。 抗硫化污染性佳。 透明度极佳。 加工时与内外部滑剂并用可得更佳之相乘效果。 与ABS、MBS共掺合加工可得更佳之热安定性与加工性。 JHPA-approved , Register No. M-7388. (SD-8032S) Non-toxic tin mercaptide stabilizer developed for PVC food package grade product. Good initial color stability. Excellent heat stability suitable for high temperature processing. Excellent anti-sulfur staining. Good transparency. Blending with internal and external lubricant can get excellent synergistic effect. Blending with ABS or MBS imparts excellent heat stability and processability. 	<ul style="list-style-type: none"> 硬质PVC胶布食品级制品专用。 适用压延、押出、射出加工。 For rigid PVC film food grade product. Can be used in calendering, extrusion and injection application. 	PVC : 100 phr Lubricant : 1.2~1.8 phr MBS : 5.0~15.0 phr Liq-Stab : 1.2~1.5 phr	200 kg Drum
	SD-8050A	<ul style="list-style-type: none"> 硬质PVC管适用。 For rigid PVC pipe. 	<ul style="list-style-type: none"> 硬质PVC管适用。 For rigid PVC pipe. 	PVC : 100 phr ESO : 1.5~2.0 phr Lubricant : 1.5~2.8 phr MBS : 7.0~15.0 phr Liq-Stab : 2.0~3.0 phr	200 kg Drum
Methyltin Mercaptide	SD-1020 SD-1025	<ul style="list-style-type: none"> 满足美国FDA要求。 日本JHPA认可，登录号码M-8255。 具有良好的初期著色和优越的长期热安定性。 具有较佳的透明及加工性，延长滤网清理周期。 用量少，效率高，能降低配方中加入份数，可有效降低成本。 Meet all requirement regulated by FDA . JHPA-approved , Register No. M-8255. Provides outstanding initial color and long-term heat stability. Good transparency and processability, extend cycle of cleaning the stability. Low dosage,high efficiency, reduce the add content, reduce the cost. 	<ul style="list-style-type: none"> 适用压延、押出、射出加工。 Can be used in calendering, extrusion and injection application. 	PVC : 100 phr Lubricant : 1.0~1.5 phr MBS : 5.0~15.0 phr Liq-Stab : 1.5~2.0 phr	250 KGS 220 KGS Drum 1,200 KGS Drum

F. 有机亚磷酸螯合剂 Organo Phosphite Chelators

主要成份 Main Components	产品名 Items	特性 Characteristics	用途 Uses	参考配方 Reference Formula	包装 Packing
Special DPDP (Diphenyl Decyl Phosphite)	CX-260	<ul style="list-style-type: none"> 安定剂助剂。 与金属皂盐如钡、镉、锌、钙、铅或金属复合安定剂并用，在耐候性、热安定性、初期著色及滑性等的改善有相当效果。 与EPOXY并用有极佳之相乘效果。 可当成氧化防止剂，与UV吸收剂并用有光安定之相乘效果。 Functions as auxiliary stabilizer. Usually used in combination with soaps of barium, cadmium, zinc, calcium, lead or metal complex; improving weatherability, heat stability, initial color and lubricating effect. Blending with epoxy soybean oil can get excellent synergistic effect. Can be used as antioxidant and combination with UV absorber have synergistic effect in light stability. 	<ul style="list-style-type: none"> 适用于压延、射出、押出加工之PVC软、硬制品。 适用于涂布加工制品。 For flexible and rigid PVC products by calendering, extrusion and injection processing. suitable for casting PVC products. 	PVC : 100 phr DINP : 40~60 phr ESO : 1.0~2.0 phr Chelator : 0.2~0.5 phr CaCO ₃ : 0.0~6.0 phr Liq-Stab : 1.5~2.5 phr PVC : 100 phr DINP : 50~70 phr ESO : 1.0~2.0 phr Chelator : 0.2~0.5 phr CaCO ₃ : 10~15 phr Liq-Stab : 1.5~2.5 phr	200kg Drum
Special FDA Approved Phosphite	DP-50	<ul style="list-style-type: none"> 安定剂助剂。 与金属皂盐如钡、镉、锌、钙、铅或金属复合安定剂并用，在耐候性、热安定性、初期著色及滑性等的改善有相当效果。 与EPOXY并用有极佳之相乘效果。 可当成氧化防止剂，与UV吸收剂并用有光安定之相乘效果。 Functions as auxiliary stabilizer. Usually used in combination with soaps of barium, cadmium, zinc, calcium, lead or metal complex; improving weatherability, heat stability, initial color and lubricating effect. Blending with epoxy soybean oil can get excellent synergistic effect. Can be used as antioxidant and combination with UV absorber have synergistic effect in light stability. 	<ul style="list-style-type: none"> 适用于压延、射出、押出加工之PVC软、硬制品。 特别适用于无毒制品。 For flexible and rigid PVC products by calendering, extrusion and injection processing. Especially suitable for Non-toxic products. 	PVC : 100 phr DINP : 30~60 phr ESO : 2.0~3.0 phr Chelator : 0.3~0.5 phr Zn-st : 0.1~0.2 phr Liq-Stab : 2.5~3.0 phr	190kg Drum
Diphenyl Decyl-Phosphite	DPA-501	<ul style="list-style-type: none"> 安定剂助剂。 与金属皂盐如钡、镉、锌、钙、铅或金属复合安定剂并用，在耐候性、热安定性、初期著色及滑性等的改善有相当效果。 与EPOXY并用有极佳之相乘效果。 Functions as auxiliary stabilizer. Usually used in combination with soaps of barium, cadmium, zinc, calcium, lead or metal complex; improving weatherability, heat stability, initial color and lubricating effect. Blending with epoxy soybean oil can get excellent synergistic effect. 	<ul style="list-style-type: none"> 适用于压延、射出、押出加工之PVC软、硬制品。 For flexible and rigid PVC products by calendering, extrusion and injection processing. 	PVC : 100 phr DINP : 30~60 phr ESO : 2.0~3.0 phr Chelator : 0.3~0.5 phr Zn-st : 0.1~0.2 phr Liq-Stab : 2.5~3.0 phr	190kg Drum

G. 特用化学品 Special Chemicals

主要成份 Main Components	产品名 Items	特性 Characteristics	用途 Uses	参考配方 Reference Formula	包装 Packing
Tin Intermediate	OTCM OTCM-4 OTCM-6	<ul style="list-style-type: none"> 混合辛基锡氯化物。 Mixtures of octyltin chlorides. 	<ul style="list-style-type: none"> 有机锡系安定剂用中间体。 Intermediates for organotin stabilizers. 		200kg Drum
	BTCM-15 BTCM-3 BTCM-5	<ul style="list-style-type: none"> 混合丁基锡氯化物。 Mixtures of butyltin chlorides. 			
2-Ethylhexyl thioglycolate	2-ETHG	<ul style="list-style-type: none"> 与有机锡氯化物合成性佳。 合成之有机锡安定剂耐热性良好。 具有著色性良好。 Excellent synthesis with organotin chlorides. Excellent heat stability of the organotin stabilizer. Good initial color. 	<ul style="list-style-type: none"> 有机锡安定剂用原料。 Materials for organotin liquid stabilizer. 		200kg Drum
Cell Stabilizer	WINS-439A	<ul style="list-style-type: none"> 提供致密结构之发泡制品。 Impart fine-cell structure to foam products. 	<ul style="list-style-type: none"> 气泡调整剂，提升气泡致密性。 Controlling cell aid can enhance cell density. 		200kg Drum

用途 Application

NANYA STABILIZER																		
Item		A					B				C			D				
Product Name		LQX-3K-8T LQX-19T LQX-29T	LQX-3P LQX-39P LQX-39PT LQX-65P	LQX-39PB	LQX-14K LQX-24-2 LQX-30KF8	LQX-15T	LFX-800A LFX-900A	LFX-80 LFX-81	LFX-108 LFX-108A	LFX-120D LFX-110C	LX-260H	LX-260BN LX-368N LX-368N1	LX-260B LX-368N LX-368N1	LCX-12C	LCX-05C	LCX-40P LCX-46P	PCX-05CE PCX-07CE	SCX-05CEB
Type		Ba-Zn	Ba-Zn	Ba-Zn	Ba-Zn	Ba-Zn	Ba-Zn	Ba-Zn	Ba-Zn	Ba-Zn	Cd-Ba-Zn	Cd-Ba-Zn	Cd-Ba-Zn	Ca-Zn	Ca-Zn	Ca-Zn	Ca-Zn	Ca-Zn
State		L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	P	S
CALENDERING	PLASTICIZED	General purpose	○	○	○	○	○				○	○	○					○
		Crystal clear	○			○	○				○	○	○					○
		Non-toxic				○												○
		Foam						○										○
EXTRUSION	PLASTICIZED	General purpose	○	○									○					○
		General purpose	○	○		○	○							○	○			○
		Crystal clear	○			○	○							○	○			○
		Non-toxic				○								○	○			○
		Foam						○										
INJECTION	PLASTISOL & ORGANOSSOL	Electrical				○								○	○			○
		Plasticized General purpose	○	○														
		Rigid pipe fitting																○
		Blowing	General purpose															○
		Bottle	Non-toxic															○
FLOORING	Phonograph records																	
	Spread coating								○	○						○		
	Dip coating							○								○		
	Rotational & slush molding							○	○							○		
	Non-toxic															○		
	Foam								○	○								
PLASTISOL & ORGANOSSOL	Vinyl asbestos	○	○							○								
	Homogeneous	○	○															
	Plastisol & organosol								○	○	○							

本用途规格于发行时皆为正确，本公司有权做内容上的更改

This application is based upon data believed to be reliable and accurate. Typical utilities represent results we would expect if the property was tested with our test methods.

NANYA STABILIZER																			
Item		E															F		
Product Name		SX-3000N	WINS-500T	SD-4015A	SD-4015AN	SD-4017B	SD-4017BT	SD-4020M	SD-4030H	SD-4020	SD-4160B	SD-8032S	SD-8033	SD-8050A	SD-1020	SD-1025	CX-260	DP-50	DPA-501
Type		Sn	Sn	Sn	Sn	Sn	Sn	Sn	Sn	Sn	Sn	Sn	Sn	Sn	Sn	P	P	P	
State		L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
CALENDERING	PLASTICIZED	General purpose															○	○	○
		Crystal clear															○	○	○
		Non-toxic															○		
	RIGID	Semirigid	General purpose	○		○	○	○	○	○	○	○				○	○	○	○
		General purpose	○		○	○	○	○	○	○	○	○	○	○	○	○			
		Crystal clear			○	○	○	○	○	○	○	○				○	○		
		Non-toxic														○	○		
		Out-door	○	○															
EXTRUSION	PLASTICIZED	General purpose															○	○	○
		Crystal clear															○	○	○
		Non-toxic															○		
	RIGID	General purpose	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		Crystal clear			○	○	○	○	○	○	○	○				○	○		
		Non-toxic														○	○		
		Pipe														○			
		Out-door	○	○															
INJECTION	Plasticized General purpose		○														○	○	○
	Rigid pipe fitting		○		○	○	○	○	○	○	○	○				○	○	○	○
	Bottle	Non-toxic														○	○	○	
	Phonograph records				○	○	○	○	○	○	○	○				○	○		
	PLASTISOL & ORGANOSOL	Spread coating															○	○	
		Dip coating															○	○	
		Rotational & slush molding															○	○	
		Non-toxic														○	○	○	
FLOORING	Vinyl asbestos																○	○	
	Homogeneous																○	○	
	Plastisol & organosol																○	○	

本用途规格于发行时皆为正确，本公司有权做内容上的更改

This application is based upon data believed to be reliable and accurate. Typical utilities represent results we would expect if the property was tested with our test methods.

●麦寮厂 Mai-liao Complex



●胶布生产设备 Production equipment of flexible PVC sheeting



●硬质胶布生产设备 Production equipment of rigid PVC film



●PVC胶布 PVC Sheeting

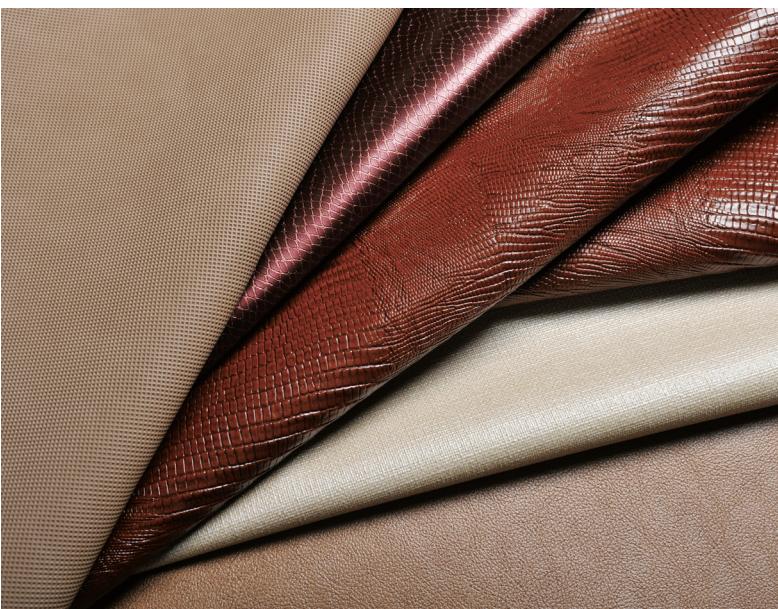


●PVC胶布 PVC Sheeting





●PVC胶皮 PVC Leather



●塑钢门 Vinyl Door



●硬质胶布 Rigid PVC Film

JAPAN HYGIENIC PVC ASSOCIATION
Miki-Toranomon Bldg.,
6-13 Toranomon 2-chome
Minato-ku Tokyo 105-0001
JAPAN

NAN YA PLASTICS CORPORATION
PLASTICS 4TH DIV.
201 TUNG HWA NORTH RD., TAIPEI
TAIWAN

October 9th, 2003

Dear Sirs,

This is to certify that as a result of inspection of the submitted data,
WINS-37K-4 (For Stabilizers)

- (1) is listed in the Positive List (base polymers and additives recommendation) with limitations set forth for each specific application in our "PVC for Food Contact Applications, A code of PVC for safety in use(the latest edition)" and
- (2) the registration number L-7378 was granted.

Sincerely yours,


Tsuneo Koula
JAPAN HYGIENIC PVC ASSOCIATION
Managing Director

JAPAN HYGIENIC PVC ASSOCIATION
Miki-Toranomon Bldg.,
6-13 Toranomon 2-chome
Minato-ku Tokyo 105-0001
JAPAN

NAN YA PLASTICS CORPORATION
PLASTICS 4TH DIV.
201 TUNG HWA NORTH RD., TAIPEI
TAIWAN

October 9th, 2003

Dear Sirs,

This is to certify that as a result of inspection of the submitted data,
SD-8032S (For Stabilizers)

- (1) is listed in the Positive List (base polymers and additives recommendation) with limitations set forth for each specific application in our "PVC for Food Contact Applications, A code of PVC for safety in use(the latest edition)" and
- (2) the registration number M-7388 was granted.

Sincerely yours,


Tsuneo Koula
JAPAN HYGIENIC PVC ASSOCIATION
Managing Director



南亞塑膠工業股份有限公司
NAN YA PLASTICS CORPORATION

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