

# **SUNFLAG GROUP**



**HIGH PERFORMANCE ADDITIVES**



# INFRASTRUCTURE & GROUP POLICY



**SUNFLAG GROUP** was established for manufacturing of High Performance Additives for paint and plastic Industry. The company has the most modern plants for manufacture of Chemicals and Additives. It has the most modern testing equipments and application laboratory for testing and customization of its products.

Sunflag has the following companies in its Group

<b>SUNFLAG CHEMICALS PVT LTD</b>	<b>PAINT DRIERS</b>
<b>SUNFLAG ADDITIVES PVT LTD</b>	<b>PVC STABILIZERS</b>
<b>SAR GLOBAL PVT LTD</b>	<b>PVC LIQ. STABILIZERS</b>

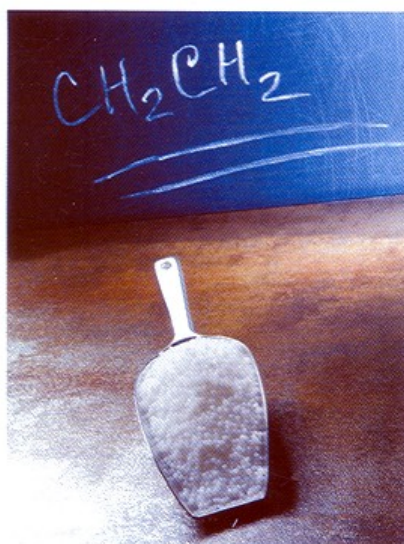
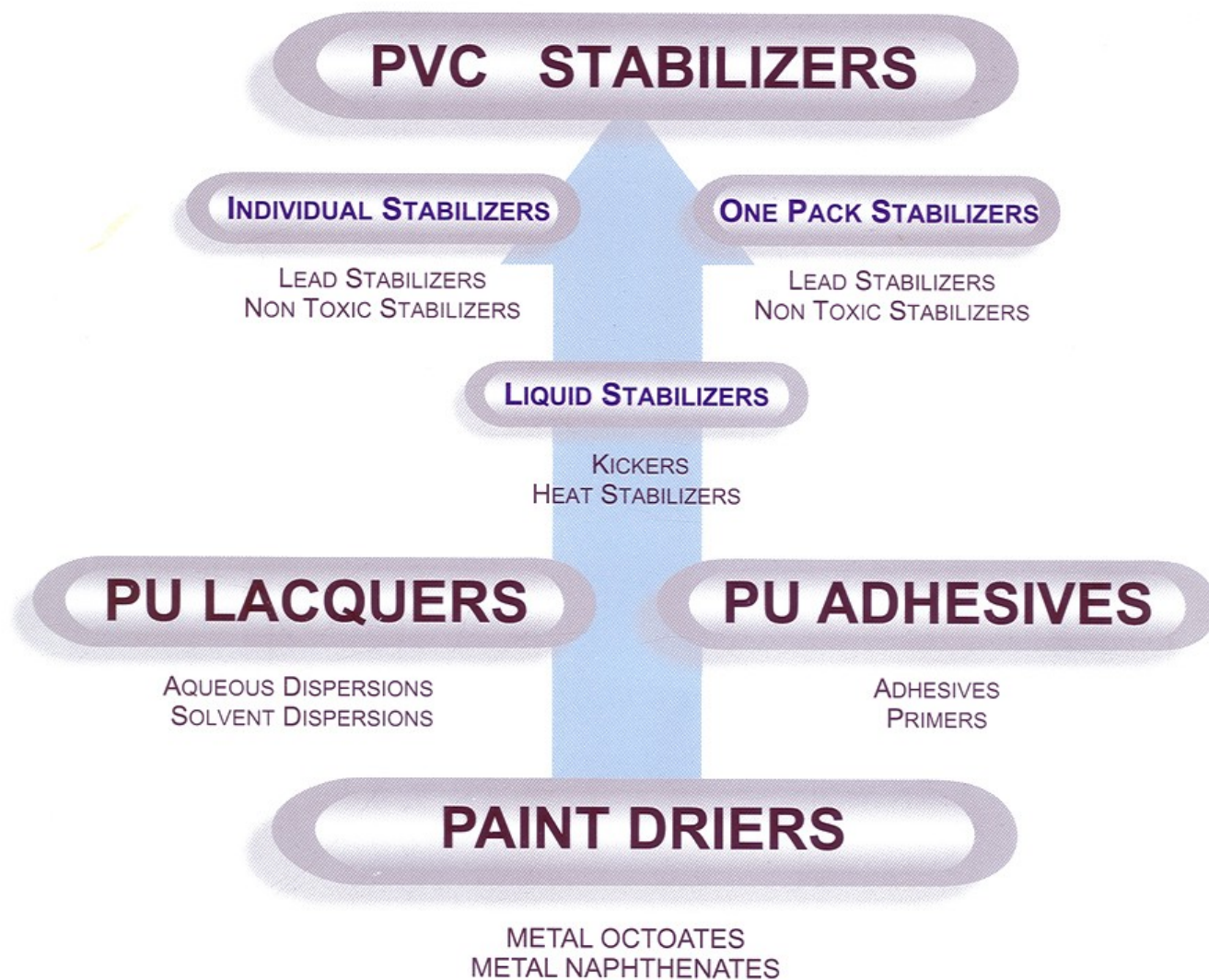
Sunflag group has multi location and multi product manufacturing base. It has strong relationship and business commitments with large multinationals all over the world. The group has a large customer base all over india and in many countries in Asia, Europe and Africa.

**SUNFLAG** Products adhere to international quality standards for performance. It has created a strong brand image in domestic and international markets by its consistent product quality and excellent service. The group's quality policy, advance research and innovation have helped it become a multi-product group with a turnover of USD 40 million. Sunflag vision is to grow with conservation of environment and fulfillment of social cause.





# MAJOR BUSINESS DIVISIONS





## PAINT DRIERS



## METAL OCTOATES & NAPHTHENATES

PAINTS & INKS			FOUNDRY	FIBREGLOSS
COBALT	LEAD	CERIUM	LEAD	COBALT
ZIRCONIUM	ZINC	LITHIUM	MANGANESE	POTASSIUM
CALCIUM	IRON	BARIUM	COBALT	
MANGANESE	COPPER	POTASSIUM		

Our paint driers are manufactured to highest quality standards available and conform to international specifications. Purity of metal and long stability of the products are our major advantage.

## APPLICATIONS



Paints

Fibreglass

Foundry





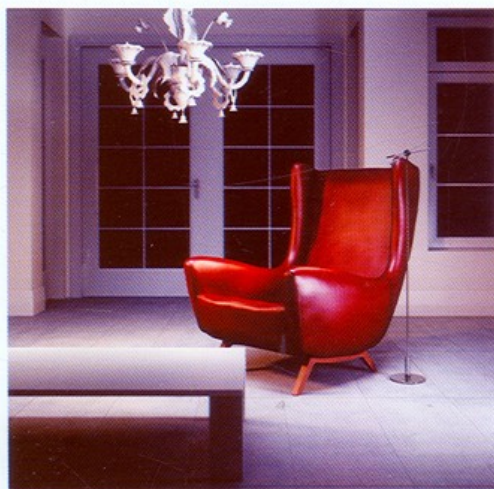
# LIQUID PVC STABILIZERS



COATING	CALENDERING	EXTRUSION
LEATHER CLOTH	FILMS & SHEETS	PIPES
KICKER & STABILIZER	HEAT STABILIZER	HEAT STABILIZER

We manufacture PVC Stabilizers which give excellent foaming, heat stabilization, color retention & clarity in leather cloth, sheeting & pipes. Our stabilizers are manufactured in separate facility to ensure non toxicity and freedom from heavy metals. We can develop custom made stabilizers to suit process requirements.

## APPLICATIONS



Leather Cloth  
Sheeting  
Flooring  
Films  
Pipes





# PRODUCT DATA SUMMARY

PAINT DRIERS						
NAME OF THE PRODUCT	APPLICATION INDUSTRY				COLOR & APPEARANCE	METAL (% age)
	Paint	Ink	FRP	Foundry		
Cobalt Octoate 2%			●		Clear Violet Liquid	02 ± 0.1
Cobalt Octoate 3%			●		Clear Violet Liquid	03 ± 0.1
Cobalt Octoate 6%	●	●	●	●	Clear Violet Liquid	06 ± 0.2
Cobalt Octoate 12%	●	●	●	●	Clear Violet Liquid	12 ± 0.3
Lead Octoate 18%	●	●		●	Colorless to Straw	18 ± 0.2
Lead Octoate 24%	●	●		●	Colorless to Straw	24 ± 0.3
Lead Octoate 32%	●	●		●	Colorless to Straw	32 ± 0.4
Lead Octoate 36%	●	●		●	Colorless to Straw	36 ± 0.4
Manganese Octoate 6%	●	●		●	Dark Brown Liquid	06 ± 0.2
Manganese Octoate 8%	●	●		●	Dark Brown Liquid	08 ± 0.2
Manganese Octoate 10%	●	●		●	Dark Brown Liquid	10 ± 0.3
Zinc Octoate 6%	●	●			Colorless to Yellow	06 ± 0.2
Zinc Octoate 8%	●	●			Colorless to Yellow	08 ± 0.2
Zinc Octoate 18%	●	●			Light Yellow Liquid	18 ± 0.3
Zinc Napthenate 6%	●	●			Yellow Liquid	06 ± 0.2
Zirconium Octoate 6%	●	●			Light Yellow Liquid	06 ± 0.2
Zirconium Octoate 18%	●	●			Light Yellow Liquid	18 ± 0.3
Calcium Octoate 2%	●	●			Light Yellow Liquid	02 ± 0.1
Calcium Octoate 3%	●	●			Light Yellow Liquid	03 ± 0.1
Calcium Octoate 10%	●	●			Light Yellow Liquid	10 ± 0.2
Calcium Napthenate 3%	●	●			Yellow Liquid	03 ± 0.1
Combination S-154	●	●			Violet to Brown Liquid	15 ± 0.5
Combination S-121	●	●			Violet to Reddish Liquid	15 ± 0.5
Combination S-21	●	●			Clear Deep Violet Liquid	11 ± 0.5



# PRODUCT DATA SUMMARY

## LIQUID PVC STABILIZERS

NAME OF THE PRODUCT	LEATHER CLOTH	FILMS & SHEETS	PIPES	COLOR & APPEARANCE	METAL	CHARACTERSTICS
<b>KICKERS</b>						
SUN 1150	●			Colorless to yellow	K-Zn	Medium Conc.Fast Kicker
SUN 1200	●			Colorless to yellow	K-Zn	Medium Conc.Fast Kicker
SUN 1316-M	●			Colorless to yellow	K-Zn	Medium Conc.Slow Kicker
SUN LSK-333	●			Colorless to yellow	Ba-Zn	Medium Conc.Slow Kicker
SUN 1418	●			Colorless to yellow	K-Zn	High Conc. Slow Kicker
SUN 1500	●			Colorless to yellow	K-Zn	High Conc. Fast Kicker
SUN 2100	●			Colorless to yellow	K-Zn	High Conc. Fast Kicker
<b>STABILIZERS</b>						
SUN 11922	●			Colorless to yellow	Ba-Zn	Low Odour
SUN 11092	●			Colorless to yellow	Ba-Zn	Medium Odour
SUN 11199	●			Straw	Ba-Cd-Zn	Medium Odour
SUN 6777	●			Colorless to yellow	Ba-Zn	High Conc. Odourless
SUN 6777-C	●			Colorless to yellow	Ba-Zn	High Conc. Low Odour
SUN 7110	●	●		Colorless to yellow	Ba-Zn	High Conc. Medium Odour
SUN 8881		●	●	Straw to light Brown	Ba-Cd-Zn	High Stability
SUN 9991		●		Straw to light Brown	Ba-Cd-Zn	Very High Stability.
SUN 7550		●		Colorless to yellow	Ba-Zn	High Stability,Non-Toxic
SUN 2226		●		Colorless to yellow	Ba-Cd-Zn	High Stab & Transparency
SUN 8855			●	Colorless to yellow	Ba-Pb	High Stability.
SUN 5151	●	●		Colorless to yellow	Ca-Zn	Medium Stability,Non-Toxic
SUN 5252	●	●		Colorless to yellow	Ca-Zn	Medium Stability,Non-Toxic



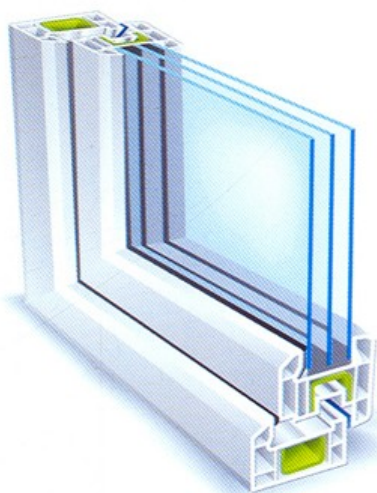
# PVC STABILIZERS

## INDIVIDUAL STABILIZERS

Our PVC Stabilizers are manufactured to highest quality standards available and conform to international standards. Purity of metal and high activity of the products are our major advantage. Our Stabilizers are used in all kind of PVC processing like Pipes, Cables, Footwear, Profiles, Furniture and Components.

### LEAD STABILIZERS

SUNSTAB TBLS	TRI BASIC LEAD SULPHATE
SUNSTAB DBLS	DI BASIC LEAD STEARATE
SUNSTAB LS	LEAD STEARATE
SUNSTAB DBLP	DI BASIC LEAD PHOSPHITE
SUNSTAB DBLT	DI BASIC LEAD PHTHALATE



### NON TOXIC STABILIZERS

SUNSTAB CS	CALCIUM STEARATE
SUNSTAB ZS	ZINC STEARATE
SUNSTAB BS	BARIUM STEARATE

SPECIFICATIONS	TBLS	DBLS	LS	DBLT	CS	ZS	UNIT
PHYSICAL FORM	Fine White Powder	Fine White Powder	Fine White Powder	Fine White Powder	Fine White Powder	Fine White Powder	Visual
MOISTURE (MAX.)	0.25	1.00	0.50	1.00	2.00	2.00	%
METAL CONTENT	88 – 89 (Lead as PbO)	52 – 54 (Lead as PbO)	29 – 32 (Lead as PbO)	78 – 80 (Lead as PbO)	9 – 10 (Calcium as CaO)	13 – 15 (Zinc as ZnO)	%
SPECIFIC GRAVITY	6.3 – 6.8	1.80 – 1.95	1.38 – 1.42	4.1 – 4.5	1.0 – 1.06	1.0 – 1.3	

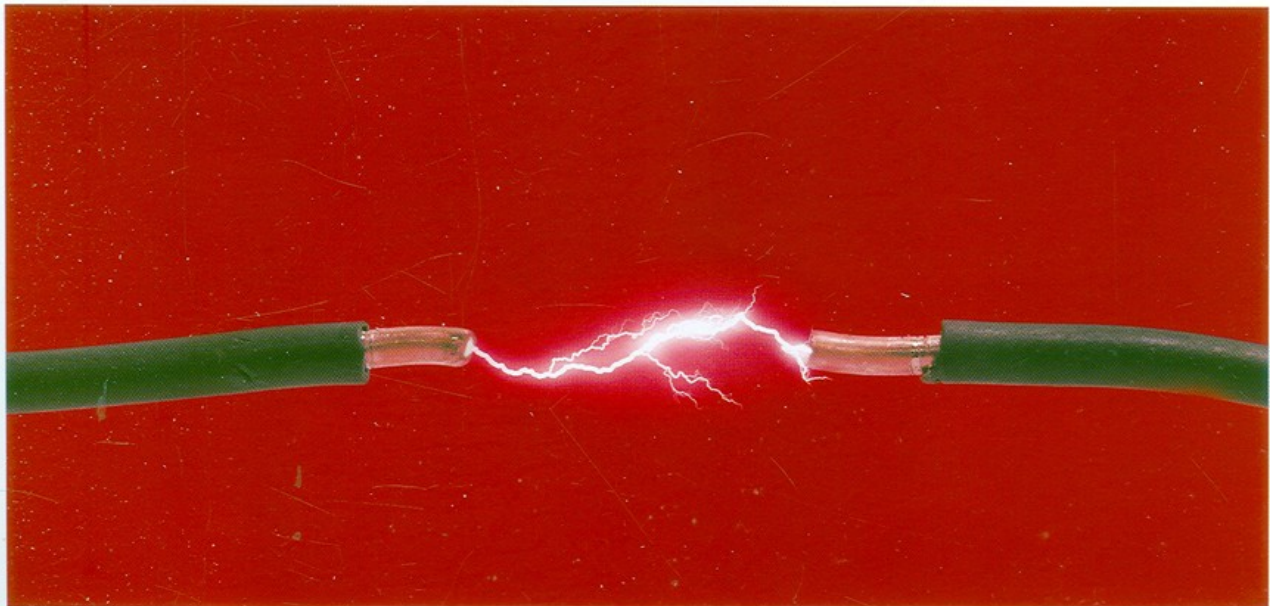


# PVC STABILIZERS

## ONE PACK STABILIZERS

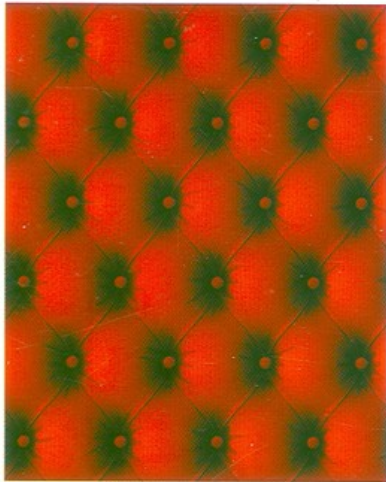
One Pack Stabilizers gives the convenience of operation and better quality in terms of thermal stability, lubrication and strength in the product. Our One Pack Stabilizers are custom designed for individual manufacturers keeping in mind their equipment, machineries and process conditions.

APPLICATION	PRODUCT SERIES	METAL TYPE	METAL CONTENT	PHYSICAL APPEARANCE
Column Pipe, Casing Pipe, Pressure & Non Pressure Pipe, SWR Pipe, Conduit Pipe, Suction Pipe	7000 series	Lead	19 – 55%	Flakes & Powder
Portable Water Pipe	5000 NT series	Calcium & Zinc	6 – 15%	Powder
Cables & Wires	8000 series	Lead	47 – 72%	Powder
Automotive Cables, Domestic & Appliance Wires	5000 NT series	Calcium & Zinc	6 – 15%	Powder
Footwear	9000 series	Lead & Barium Calcium & Zinc	12 – 28%	Flakes & Powder
PVC Profile & Fitting	7000 series	Lead	19 – 55%	Flakes & Powder
	5000 NT series	Calcium & Zinc	6 – 15%	





## PIGMENT PASTES



TEXTILES	LEATHER	BOPP TAPES
COLOR PASTE	BROWN PASTE	BROWN PASTE
WHITE PASTE	WHITE PASTE	WHITE PASTE
	COLOR PASTE	COLOR PASTE

Our pigment pastes are highly concentrated aqueous / solvent dispersions which gives high tint strength, opacity and color stability to the products. Shade consistency is an important criteria in our production.

## PU ADHESIVE & LACQUERS



Our PU adhesives are manufactured using the latest technology in a sophisticated environment. The products give excellent peel strength, high tack, bond strength and weatherability in all kind of substrates.

PU Lacquers are used in artificial leather cloth for post finish, full and semi PU Leather applications. The products are designed to give various characteristics & feels to leather cloth surface.

### PU ADHESIVES

FOOTWEAR	PACKAGING	LAMINATION
ADHESIVES	ADHESIVES	ADHESIVES
PRIMERS		

### PU LACQUERS

LEATHER	
PU SOFT	PU HARD
PU MEDIUM	PU SPECIAL EFFECT





**SUNFLAG** endeavours to produce high quality chemicals and additives for its customers in Paint and Plastic Industry. The group has a major focus on Research & Development and service to customer needs.

**SUNFLAG** has a large customer base in India and is exporting products all over the world. We have customers in neighbouring countries of Middle east, South East-Asia, Europe and Africa. We have strong business relationships with large multinational which gives us an easy access to their manufacturing units worldwide. Our ambition is to have a strong global presence with high brand image for our products.





# **SUNFLAG GROUP**

**SUNFLAG CHEMICALS PVT LTD.**

**SUNFLAG ADDITIVES PVT LTD.**

**SAR GLOBAL PVT LTD.**

**Regd. Office :** 102, Himland House, Ranjit Nagar Commercial Complex,  
New Delhi - 110 008 (INDIA)

**Phone :** +91 11 2570 4080-81, 2570 9760 **Telefax:** +91 11 25704081

**Mob :** +91 9811018942, +91 9711193594

**Web :** [www.sunflag.in](http://www.sunflag.in), **e-mail :** [sunflag102@yahoo.com](mailto:sunflag102@yahoo.com)