



PRODUCT BULLETIN

PL Stainers

PL Stainers are a range of colourants engineered to be compatible with alkyd gloss enamels. PL Stainers have a high pigment loading.

PL Stainers are designed to be compatible, independent of the method of incorporation. No rub up or seeding is evident whether the colourants are incorporated by hand stirring, roto mixing or high speed stirring.

In the past paint manufacturers have generally tinted gloss enamels with in house colourants or milling dry pigments. An additional saving in the use of PL Stainers is milling availability by not having to produce this wide range of in house tinters.

Use of PL Stainers also results in significant savings in pigment stock holdings

For safe use and properties see Material Safety Data Sheet and Specification Sheet.



SAFETY DATA SHEET

PL STAINERS

Identification of the Substance / Preparation and Company

Product Details

Trade Name : PL Stainers
Product No :

Supplier Details

: LIQUID COLOURS (PTY) LTD
P O BOX 2685
Edenvale
1610
South Africa

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Email: info@liquidcolours.co.za
website: www.liquidcolours.co.za

Composition / Information On Ingredients

Chemical Characterisation : Pigment in Aliphatic, Aromatic Solvents and Long Oil Alkyd Resin.

Hazardous Ingredients : Toluene
Cas No: 108-88-3
Hazardous Class 3.2
UN1294
PL226, PL228 and PL331, contain lead chromate
See warning labels on containers

Hazards Identification

Emergency Overview : Harmful if swallowed.
Can cause serious damage to skin and eyes.
Highly flammable

First Aid Measures

- General Information** : Remove contaminated clothing immediately and safely dispose.
- Contact with skin** : In case of contact with skin wash off immediately with suitable industrial hand cleaner, followed by soap and water, apply skin cream. Should adverse reaction occur seek medical advice.
- Contact with eyes** : In case of contact with eyes flush with water for 15 minutes, hold eyelids open while rinsing and seek medical advice. Remove contact lenses if worn.
- Ingestion** : Do not induce vomiting. Consult physician.

Accidental Release Measures

- Methods of Cleaning up / taking up** : Pick up with absorbent material (e.g. sand, universal binder, sawdust). Treat as "disposal".
Do not allow into drains, sewers or watercourses
Notify occupational and environmental authorities

Fire - Fighting Measures

- Suitable Extinguishing Media** : Carbon Dioxide
Dry Powder
Foam
Water/Fog

Exposure Controls / Personal Protection

Personal Protective Equipment

- General Protective Measures** : Avoid contact with eyes and skin
- Hygiene Measures** : Keep away from foodstuffs and beverages.
Wash hands after use
Clean skin thoroughly after work.
- Hand protection** : Protective gloves
Eye protection : Safety glasses
Face protection : Vapour mask

Physical And Chemical Properties

Appearance

Form : Liquid
Colour : Various
Odour : Solvent smell

Data Relevant To Safety

UN No. : 1294
Packing : II
Flash point : 9.0°C (Toluene)
Density : Various (0.9 – 1.8)
Solubility In Water : Insoluble
PH Value : Neutral
Viscosity : Approximately 550mpa second at 25°C

Handling And Storage

Handling : Handle with gloves, goggles and face mask
Storage : Keep only in original container at temperature not exceeding 50°C.
Store in flameproof / spark proof area
Do not store for longer than 12 months

Disposal Considerations

Product : In accordance with current regulations; may be taken to waste disposal site or incineration plant, after consultation with site operator and / or with the responsible authority.
Name of waste : Non halogenated solvent blend.
Uncleaned packaging : Packaging which cannot be cleaned should be disposed of as product waste.

Regulatory Information

- Labelling** : Hazard warning labelling compulsory
- Hazard symbols** : Hazardous component(s) to be indicated on label.
- XN harmful**
- : Highly flammable
 - Harmful if swallowed.
 - Marine pollutant
 - May contain lead pigments
 - Risk of serious damage to eyes
 - Keep out of reach of children
 - Avoid contact with skin and eyes
 - Avoid contact with sources of ignition
 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - Wear eye / face protection.

Other Information

- Terms of use** : This summarises at the date of issue our best knowledge of health, environmental hazard and safety information related to the product, how to safely handle, use, store and transport the product. Since Liquid Colours cannot anticipate or control the conditions on which the product may be handled, used, stored or transported, every user must prior to usage review the MSDS in relation to intended use, storage and transport of the product in the workplace and elsewhere. Such information should be communicated to all relevant parties. If further information is required please contact Liquid Colours.

Liquid Colours shall not assume any liability for the accuracy or completeness of the information contained herein or any advice given. Liquid Colours sole and exclusive warranty is that it's products comply with Liquid colours published chemical and physical specifications in effect at the time of sale. Liquid Colours liability for claim suits is in all cases limited to the purchase price of the particular quantity of product upon which the claim is based. Under no circumstances shall Liquid Colours be liable for loss of profits or any other indirect and consequential loss or damage.

PL STAINERS

SPECIFICATION DETAILS	BLACK	YELLOW OXIDE	PHHALO GREEN	MID CHROME	RED OXIDE	SCARLET CHROME	BRIGHT RED	ULTRA MARINE BLUE	VIOLET	PHHALO BLUE	LEMON CHROME	BROWN OXIDE	RED 6BM	CHROME OXIDE GREEN	WHITE
IDENTIFICATION CODE	PL 220	PL 222	PL 225	PL 226	PL 227	PL 228	PL 229	PL 230	PL 232	P L231	PL 331	PL 332	PL 333	PL 335	PL 759
S.G.	1.0 - 1.1	1.65 - 1.75	1.0 - 1.1	1.7 - 1.8	1.7 - 1.8	1.6 - 1.7	0.95 - 1.05	1.3 - 1.4	0.95 - 1.05	0.95 - 1.05	1.6 - 1.7	1.6 - 1.7	0.9 - 1.0	1.65 - 1.75	1.6 - 1.7
PIGMENT	BLACK 7	YELLOW 42	GREEN 7	YELLOW 34	RED 101	RED 104	RED 48.4	BLUE 29	VIOLET 23	BLUE 15.2	YELLOW 34	RED OXIDE 101 / YELLOW OXIDE 42 / BLACK 7	RED 48.4	GREEN 17	WHITE 6
PIGMENT CONTENT	22%	55%	26%	60%	60%	60%	20%	50%	15%	25%	60%	50%	15%	50%	55%
LIGHT FASTNESS															
FULL SHADE	8	8	8	6 - 7	8	7	6	7	8	8	6-7D	8	6	8	-
REDUCTION 1.30	8	8	8	7D	8	8	4 - 5	7	8	8	7D	8	5 - 6	8	-
WEATHER ABILITY															
FULL SHADE	5	5	5	4 - 5	5	4 - 5	3 - 4	4	5	5	4 - 5	5	4	4	-
REDUCTION 1.30	5	5	5	4 - 5	5	4 - 5	3	4	5	5	4 - 5	5	3	3	-

General Information for all colours

Base: Pigments in Aliphatic, Aromatic Solvents and Long Oil Alkyds Resin

F.O.G. 10 microns maximum

Uses: Pigment dispersion for colouring Alkyd paints both in plant and point of sale

Storage: Store out of direct sunlight

Packaging: 5 Litre