



Sino-American Pigment Systems, Inc.

QUALITY RAW MATERIALS ■ ENVIRONMENTAL TECHNOLOGY

White Cloud⁷ SAFE YELLOW 74 -HEI - PRODUCT DESCRIPTION


Description: **High Opacity Coatings Grade**, Easily Dispersable, Non-Toxic, Low-Dusting, organic-inorganic hybrid Yellow Pigment. Safe Yellow 74 hei is formed by a proprietary process of encapsulating a colored Inorganic Pigment with Monoarylide Yellow PY-74 shell. Preserving the excellent chemical stability, abrasion resistance, and thermo stability of the inorganic pigment, while providing the brightness, lustrous color and tinting strength of the organic pigment, it possess excellent hide, disk dispersability, good tint strength, and low resin demand, to offer formulators bright yellow hues of high Chroma. Patented.

Applications: The **ease of dispersion** facilitates Safe Yellow s incorporation into tint and masstone formulations to achieve dispersion process enhancements, **cost reductions, and improved film performance** in Industrial Coatings, Interior and Exterior Latex, Alkyd and Acrylic coatings, as well as Flexographic, Gravure and Lithographic Thermoset or UV cured printing ink formulations. Applications also include medium temperature rubber and thermoplastic extrusion formulations.

Packaging: 25 KG paper bags. Palletized, Shrink Wrapped and secured with Air Bags.

TYPICAL SPECIFICATIONS

Monoarylide Pigment 74 Encapsulating Titanated Lithopone Core	Product Code	345
Physical Form		Dry Powder
Color Index Number	C.I. #	11741
Tint Strength – ASTMD4838	Category	Good
Opacity – ASTM E 1392	Category	Very Good
Light Fastness - ASTM D 4302	Class	I - Excellent
Bleed Fastness	Category 1 - 5 : Considerable to None: British Standard 1006	
Water		5
VM&P Naphtha	Aliphatic	5
Acid	2% HCL	5
Alkali	1% NaOH	5
Mineral Spirits	Aliphatic & Aromatic Mixture	4
Dibutyl Phthalate	Nitrocellulose Plasticizer	4
Ethylene Glycol	Alcohol	5
Ethyl Acetate	Acetic Ester	3
Xylene	Aromatics	3
Methyl Ethyl Ketone	Keytones	3
Heat Stability: 10 Min. to Organic Shell color change	°F / °C	284 / 140
Heavy Metals [Pb Cr Cd Hg Sb As Se] - Passes EN71 & ISO 3856/4	Maximum	25 ppm
Water Solubles Matter - ASTM D 1208	% Maximum	0.5
Volatiles at 105°C - ASTM D 1208	% Maximum	0.5
Density in grams/cc @ 25°C - He Pycnometer	Median	2.5 - 2.8
Bulking Density	Pounds per Gallon	20.85 – 23.35
Particle Diameter in um - PIDS Laser Diffraction	Median	0.35 - 0.8
325 Mesh Residue [44 micron]	% Maximum	0.1
Oil Absorption in Lbs/100 Lbs - ASTM D 281	Nominal	15
Hegman Fineness Grind - ASTM D 1210	Median	6.5
pH	Nominal	6.0 – 7.0

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