



Sino-American Pigment Systems, Inc.

QUALITY RAW MATERIALS ■ ENVIRONMENTAL TECHNOLOGY

White Cloud® SAFE YELLOW 65-C - PRODUCT DESCRIPTION

Description: **High Opacity Coatings Grade**, Easily Dispersable, Non-Toxic, Low-Dusting, organic-inorganic hybrid Yellow Pigment. Safe Yellow 65c grade is formed by a proprietary process of encapsulating a colored Inorganic Pigment with Monoarylide Yellow PY-65 shell. Preserving the excellent chemical stability, abrasion resistance, and thermostability 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 **low oil absorption** of Safe Yellow allows **high solids formulations** with lower resin demands resulting in **lower VOC=s**. The **ease of dispersion** facilitates Safe Yellow incorporation into tint and masstone formulations to achieve dispersion process enhancements, **cost reductions**, and **improved film performance** in Safety Traffic 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. Because Safe Yellow is a single pigment system, the observed color value of Safe Yellow will remain yellow under all illumination conditions significantly reducing metamerism shift.

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

TYPICAL SPECIFICATIONS

Pigment 65 Encapsulating with Inorganic Pigment Core	Product	330
Code Physical Form		Dry Powder
Color Index Number	C.I. #	11740
Light Fastness - ASTM D 4302	Class	I-Excellent
Opacity – ASTM E 1392	Category	Very Good
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	3
Dibutyl Phthalate	Nitrocellulose Plasticizer	3
Ethylene Glycol	Alcohol	5
Ethyl Acetate	Acetic Ester	3
Xylene	Aromatics	1
Methyl Ethyl Ketone	Keytones	1
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	21.75 - 22.1
Particle Diameter in um - PIDS Laser Diffraction	Median	0.35 – 0.8
325 Mesh Residue [44 micron]	% Maximum	0.05
Oil Absorption in Lbs/100 Lbs - ASTM D 281	Nominal	15
Hegman Fineness Grind - ASTM D 1210	Median	6.5
pH	Nominal	6.0

White Cloud ® is a registered trademark of Sino-American Pigment Systems, Inc. all rights reserved.