ULTRAMARINE & PIGMENTS LTD.,

Technical data sheet — UPL VV 1014

Product information	
Chemical name	Tricobalt bis(orthophosphate)
Chemical formula	$CO_3(PO_4)_2$
Colour index	Pigment violet 14
C.I. No.	77360
CAS No.	13455-36-2
EINECS No.	236-655-6

Physical data	
Appearance	Pinkish violet powder
Apparent Density (g/ml)	0.6 approx.
Specify gravity (g/cm³)	3.8
Moisture content at 105°C (%)	0.5 Max
Water soluble matter (%)	0.5 Max
Oil absorption (% by wt.)	15 ± 5
Median particle diameter (µm)	5.0 Max
Residue on 45µm sieve (% by wt.)	0.1 Max.
pH (1% Soln.)	6 – 7

Regulatory information	
Germany BfR recom. IX	Complies
AP (89) 1	Complies
USA (FDA) 21 CFR § 178.3297	Not Listed
Toys Europe EN 71-3	Complies
French Positive List	Doesn't comply
CONEG, EC 94/62	Complies
RoHS, 2002/95/EC, 2005/618/EC	Complies
End of Life Vehicles, 2000/53/EC,2002/525/EC	Complies

Standard Packaging

25 Kg paper bags with LDPE inner

Packing / Palletization can be offered based on request

Mass tone	Tint tone

Fastness properties	
Heat resistance	600°C
Solvent resistance	5
Acid resistance	5
Alkali resistance	5
Light fastness	6
Weather fastness	5

a) Solvent is added to the pigment and assessment on grey scale is done as per DIN EN ISO 20105-A02 (1-Severe; 5-No degradation)
b) By adding 10% hydro chloric acid and 10% Sodium hydroxide to the pigment
c) Light fastness was tested in an alkyd system and assessment done using wool scale as per DIN EN ISO 105-BO1 (8-Extremely good)
d) Weather fastness was tested in waterborne acrylic resin system and assessment done using grey scale as per DIN EN ISO 2015-A02 after 2000 hours accelerated weathering

Chemical inventory status

Listed in the following national chemical inventories:
AICS (Australia), DSL (Canada), ECL (Korea), EINECS (Europe), IECSC (China), MITI (Japan), NZIoC (New Zealand), and TSCA (USA).

Toxicity

Least toxic and a safe pigment for industrial applications. It is ecologically non-hazardous and does not create any skin or eye irritation.

Application areas

RPVC, Polyolefin, Engineering resins, Ceramics, Paints and Powder coatings etc.,

Disclaimer:
Our product specification, application related information and additional information in this document are based on our current state of knowledge.
The shade indicated here is only for reference and may vary based on dilution medium and background.
This information is provided for reference only. This can be changed without prior notice.

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