

# Chromaflo slurries for in-plant applications

Color Solutions

## Vibrantz Slurries

### General Information

Vibrantz Technologies has developed Chromaflo Slurries for your TiO<sub>2</sub> powder alternative.

#### Background

Titanium Dioxide (TiO<sub>2</sub>) is the most widely used and produced pigment in the world. For years TiO<sub>2</sub> has been under discussion because of potential health effects. In February 2020 the European

Commission classified powder TiO<sub>2</sub> as a suspected carcinogen (cat 2.) by inhalation. In October 2021, TiO<sub>2</sub> in powder form must be labelled as hazardous.

#### What does the classification mean for you?

The classification of Titanium Dioxide (TiO<sub>2</sub>) is complex because it only applies to inhalation. To understand the change of this classification, each customer should investigate the implications for

their production and end use markets. This includes determining the occupational and product safety regulatory requirements for handling TiO<sub>2</sub> powder. It may also have an impact on the way you currently handle your waste disposal of powder TiO<sub>2</sub>.



## How can Chromaflo support you?

As the classification only concerns TiO<sub>2</sub> in powder form, liquid variants are not affected. We can support you by reducing complexity, reducing costs and ensuring that you maintain a safe and healthy working environment by introducing Chromaflo slurries. Chromaflo slurries are highly concentrated TiO<sub>2</sub> based liquid dispersions, available in water and solvent based technologies. In addition, we have various plasticizer based versions available. Besides TiO<sub>2</sub> containing products, we offer Zinc Sulfide slurries in water and solvent based technologies. All mentioned slurry products are available in IBC packaging or Bulk transportation.



**Dose pigments safely and avoid inhaling**



**Accurate and dust-free dosing**



**Reduce complexity and potential high waste costs**



**Save time in your production process by using pre dispersed pigment slurries**

Name	Technology	Pigment	Pigment Content [%]	Average Density (kg/m <sup>3</sup> )
Hydrasperse EU DWH3	Water-based	TiO <sub>2</sub>	75	2415
Solvasperse IND DWHI	Solvent-based	TiO <sub>2</sub>	68	2043
DTP-10910 DWHS	DOTP-plasticizer*	TiO <sub>2</sub>	65	2200
Hydrasperse EU DZS1	Water-based	Zinc Sulfide / ZnS	75	2430
Solvasperse IND DZNS	Solvent-based	Zinc Sulfide / ZnS	67	2160

\*Other plasticizer based slurries available on request.  
The values given in the table are guidance figures only.

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