

November, 2020

Issue 8

Introduction of Pigment Yellow 138

The P.Y.138 types of quinophthalone pigments provide exceedingly lightfast and weatherfast greenish yellow shades with good heat stability, solvent resistance and migration fastness.

P.Y.138 is commercially available in grades with different particle sizes. The main application areas are in paints and plastics. It is a good choice for the replacement of lead chromate in yellow shades.

Trust Chem offers two qualities of P.Y.138 in its range: TCY13861 and TCY13862.

TCY13861—Mainly recommended for plastics

- Semi-opaque and brilliant shades;
- Easily dispersible;
- Suitable for PP fibres, styrene's and selected engineering polymers;
- Excellent all-round properties in polyolefin and PVC;
- Low warping in HDPE injection molding;
- For inorganic lead chromate pigment replacement.

TCY13862—Mainly recommended for paints

- Opaque and higher color strength;
- Universal type for all applications;
- Low oil absorption and good rheology;
- Excellent durability and all round properties;
- For inorganic lead chromate pigment replacement.



Plastics Regulation (EU) 10/2011 and the 15th Amendment

In January 2011, the European Union (EU) published Regulation (EU) 10/2011 to regulate food contact plastic materials and articles. It repealed Directive 2002/72/EC and its amendments, the specific directives for migration testing and the vinyl chloride Directive from 2011 May 1.

(EU) 10/2011 specifies the scope of application, the definition of key terms, principles in the manufacturing and placing on the market of plastic food contact materials, general requirements on overall and specific migration testing and information on food simulants and conditions to be used in the testing programs. (EU) 10/2011 also lists the substances that are authorized may be intentionally used in the manufacture of plastic materials and articles in the form of a positive list, so called "Union list". The Union list contains monomers or other starting substances, additives excluding colorants, polymer production aids excluding solvents, macromolecules obtained from microbial fermentation, and it totals 885 authorized substances.

On September 3, 2020, the European Union published Regulation (EU) No 2020/1245 to amend (EU) 10/2011. This 15th amendment adds new substances to the Union list, in addition to introducing several substantive changes to Annexes I, II, IV, and V to the Plastics Regulation. Some significant changes are listed below:



Annex II specific migration limits:

The new regulation provides specific migration limits (SMLs) for 24 elements.

Revised the SML of primary aromatic amine (PAA):

Each PAA listed in entry 43 of REACH Annex XVII shall not migrate from plastic materials and articles into food or food simulant, detection limit shall be 0.002 mg/kg, while the sum of PAAs not listed in REACH shall be ≤ 0.01 mg/kg.

Food packaging is one of the most challenging applications for colorants. All food contact materials and articles containing colorants must comply with the relevant regulations (such as the US FDA, EU 10/2011, China GB9685-2016, etc.), Trust Chem is committed to providing customers with colorant products that meet compliance requirements, and has been following up relevant laws and regulations to ensure continuous regulations compliance.

Restart after the COVID-19

As China has achieved remarkable results in epidemic containment, enterprises resume work and production, and their demands for more exhibitions for market expansion are on the rise. At the same time, international exhibition organizers are also accelerating their business layout in the Chinese market. As the "barometer" of China's trade, the Canton Fair this year brought the global trade event online in June, attracting more overseas buyers and substantially promoting export trade. As the domestic epidemic containment situation is getting increasingly better, various offline exhibitions and professional seminars will also be launched in the second half of the year.

Recently, Trust Chem participated in the Fifth Session of the Eighth Council of the China Dyestuff Industry Association and China Interdye, and attended as a forum guest the Cross-Strait International Organic Pigment Industry Annual Conference, all of which did a great job in promoting technical exchanges between domestic and foreign companies as well as exploring new development directions for the organic pigment industry.

In the post-epidemic period, even if the import and export situation is still complicated and severe, Trust Chem will continue to make unremitting efforts to overcome all difficulties and provide customers with high-quality products and services.



See our website
for more information

• www.trustchem.cn • www.trustchem.eu • www.trustchemusa.com