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Statement on the Absence of Microplastics
Synthetic polymer microparticles — Regulation (EU) 2023/2055, as amended

Doc. ID: CT-REG-001

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Version: 2.1 (supersedes v2.0 of 02.10.2026: all supplied forms addressed (loose powder, PG, Aqua, DS, OSC and SC Grade); definition of synthetic polymer microparticles, its exclusions and the seed-coating transitional periods restated according to Regulation (EU) 2023/2055; references updated to CT-REG-002 v1.3, CT-REG-010 v3.1, CT-REG-011 v1.4, CT-REG-031 and CT-REG-030 v1.1; company name and address aligned)

See also: Doc. ID CT-REG-002 v1.3 (REACH), CT-REG-010 v3.1 (composition), CT-REG-011 v1.4 (regulatory documentation), CT-REG-031 and CT-REG-030 v1.1 (anti-dusting treatment)

1. Scope

This Statement covers the following ChemTech CTA Series pearlescent pigments:

Pearlescent Pigment ChemTech CTA82	Pearlescent Pigment ChemTech CTA83	Pearlescent Pigment ChemTech CTA85	Pearlescent Pigment ChemTech CTA88	Pearlescent Pigment ChemTech CTA100
Pearlescent Pigment ChemTech CTA101	Pearlescent Pigment ChemTech CTA103	Pearlescent Pigment ChemTech CTA110	Pearlescent Pigment ChemTech CTA120	Pearlescent Pigment ChemTech CTA123
Pearlescent Pigment ChemTech CTA140	Pearlescent Pigment ChemTech CTA150	Pearlescent Pigment ChemTech CTA170	Pearlescent Pigment ChemTech CTA173	Pearlescent Pigment ChemTech CTA205
Pearlescent Pigment ChemTech CTA215	Pearlescent Pigment ChemTech CTA219	Pearlescent Pigment ChemTech CTA225	Pearlescent Pigment ChemTech CTA235	Pearlescent Pigment ChemTech CTA305
Pearlescent Pigment ChemTech CTA315	Pearlescent Pigment ChemTech CTA325	Pearlescent Pigment ChemTech CTA500	Pearlescent Pigment ChemTech CTA502	Pearlescent Pigment ChemTech CTA504

Product forms. The Statement applies to the grades listed above in all forms supplied by ChemTech: loose powder, PG Powder, Aqua Powder, DS Powder, OSC Grade and SC Grade. The anti-dusting treatment of OSC Grade and SC Grade is covered by the Statements on the Anti-dusting Treatment (Doc. ID CT-REG-031 and CT-REG-030, v1.1).

2. Regulatory background

Commission Regulation (EU) 2023/2055 of 25 September 2023, amending Annex XVII (entry 78) to Regulation (EC) No 1907/2006 (REACH), restricts the placing on the market of synthetic polymer microparticles (SPM) as substances on their own or, where they are present to confer a sought-after characteristic, in mixtures in a concentration equal to or greater than 0.01 % by weight. The restriction applies from 17 October 2023, subject to the transitional periods of paragraph 6 of entry 78.

SPM are polymers that are solid and that (a) are contained in particles and constitute at least 1 % by weight of those particles, or build a continuous surface coating on particles, and (b) at least 1 % by weight of those particles have all dimensions equal to or less than 5 mm, or a length equal to or less than 15 mm and a length-to-diameter ratio greater than 3. Excluded from this designation are polymers that result from a polymerisation process that has taken place in nature and are not chemically modified, polymers that are degradable or have a solubility greater than 2 g/L (as proved in accordance with Appendices 15 and 16 of Annex XVII), and polymers that do not contain carbon atoms in their chemical structure.

Entry 78 was amended by Commission Regulation (EU) 2026/1168 of 1 June 2026, which clarifies the derogations for medicinal and veterinary medicinal products (paragraph 4(b)), adds a derogation for product and process orientated research and development in quantities of 1 tonne per year or less (paragraph 4(g)) and, from 22 June 2028, limits the derogation for SPM permanently incorporated into a solid matrix to intended end uses of one year or longer (paragraph 5(c)). The SPM definition, the 0.01 % concentration limit and the transitional periods of paragraph 6 are not changed by that amendment.

3. Statement

The products listed above are inorganic pearlescent pigments consisting of platelet-shaped synthetic fluorphlogopite (synthetic mica) substrates coated with inorganic layers of titanium dioxide and/or iron (III) oxide. All constituents are inorganic mineral substances; polymers are not used as constituents of these products.

We hereby certify that the products listed above:

- are not synthetic polymer microparticles and fall outside the SPM designation of entry 78, being entirely inorganic materials;
- do not contain intentionally added synthetic polymer microparticles in a concentration equal to or greater than 0.01 % by weight;

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- as supplied in loose powder form, do not carry any organic polymer surface coating or polymeric surface treatment;
- do not rely on any derogation of entry 78 (paragraphs 4, 5 and 6, as amended by Regulation (EU) 2026/1168): compliance results from being outside the scope of the SPM definition.

OSC Grade and SC Grade contain the same CTA pigment. The components of their anti-dusting treatment are liquid or water-soluble and are not synthetic polymer microparticles (Doc. ID CT-REG-031 and CT-REG-030). OSC Grade and SC Grade therefore do not contain synthetic polymer microparticles in a concentration equal to or greater than 0.01 % by weight.

PG Powder, Aqua Powder and DS Powder contain the same CTA pigment with wetting agents. The wetting agents are not synthetic polymer microparticles: they are either not polymers or, where polymeric, are liquid or have a solubility greater than 2 g/L. PG Powder, Aqua Powder and DS Powder therefore do not contain synthetic polymer microparticles in a concentration equal to or greater than 0.01 % by weight.

4. Application note — seed treatment and seed coating

Under paragraph 6 of entry 78, the restriction applies from 17 October 2028 to products for agricultural and horticultural uses, including seed coatings without plant protection products (point (i)), and from 17 October 2031 to plant protection products and seeds treated with them (point (h)). The pigments covered by this Statement, in all forms listed in Section 1, enable microplastic-free seed coating formulations ahead of these deadlines. Compliance of the final coating formulation (including film formers, binders and other additives not supplied by us) remains the responsibility of the formulator.

5. Information on substances

Substance name	CAS No	EC No	%*	REACH registration No
Fluorphlogopite (Mg3K[AlF2O(SiO3)3]), synthetic	12003-38-2	234-426-5	40–84	01-2119971065-37-0010
Titanium dioxide	13463-67-7	236-675-5	0–58	01-2119489379-17-0146
Iron (III) oxide	1309-37-1	215-168-2	0–45	01-2119457614-35-0180

* Concentration ranges cover all 25 grades listed above; not every substance is present in every grade (iron (III) oxide: CTA305, CTA315, CTA325, CTA500, CTA502 and CTA504 only). For the exact concentration in each grade, see the TDS or the safety data sheet.

DISCLAIMER: This information is the result of our product evaluation based on the best knowledge at the time of publication and the regulations currently in force. Since we do not have information on the exact formulations, conditions of use, manufacturing processes, applications and other relevant parameters of our customers, we cannot indicate the suitability of the product for a particular application. It is the responsibility of the manufacturer of the final product to determine whether the raw material is suitable for the intended use. Regulations, as well as recommendations, are subject to change. We recommend that you periodically review the status of this product to verify its suitability for a particular application. Chemical Technologies SIA assumes no responsibility for compliance with legal requirements if its products are processed or modified by third parties.

Viktor Denezhnikov
Chairman of the Board
Date: 29.10.2026

