

Statement on the Absence of Microplastics

(Synthetic Polymer Microparticles, Regulation (EU) 2023/2055 as amended)

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Version: 2.0 (supersedes v1.0 of 01.09.2026: scope extended to 25 CTA grades; substance table aligned with current SDS; regulatory references updated)

Issue date: 2026-10-02

See also: Doc. ID CT-REG-010 (Composition), CT-REG-011 (Regulatory Documentation)

on the following chemical raw material(s):

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

Regulatory background

Commission Regulation (EU) 2023/2055 of 25 September 2023, amending Annex XVII (entry 78) to Regulation (EC) No 1907/2006 (REACH), restricts synthetic polymer microparticles (SPM) placed on the market as substances on their own or in mixtures in a concentration equal to or greater than 0.01% by weight. SPM are defined as solid particles of synthetic, organic, water-insoluble and degradation-resistant polymers, of dimensions equal to or less than 5 mm (fibre-like particles: length $\leq$ 15 mm), including particles carrying a continuous polymer surface coating. The restriction applies from 17 October 2023, subject to the transitional periods of paragraph 6 of entry 78.

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.

Statement

The products listed above are inorganic pearlescent pigments consisting of platelet-shaped synthetic fluorophlogopite (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 definition of Regulation (EU) 2023/2055, being entirely inorganic materials;
- do not contain intentionally added synthetic polymer microparticles in a concentration equal to or greater than 0.01% by weight;
- do not carry any organic polymer surface coating or polymeric surface treatment: the listed grades are supplied without polymeric post-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.

Application note — seed treatment and seed coating

Under paragraph 6 of entry 78, seeds coated with mixtures containing SPM are subject to transitional periods expiring on 17 October 2028 (seed coatings without plant protection products) and 17 October 2031 (plant protection products and seeds treated with them). The pigments covered by this Statement 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.

INFORMATION ON SUBSTANCES:

Substance name	CAS No	EC No	%*	REACH reg. No
Fluorophlogopite (Mg ₃ K[AlF ₂ O(SiO ₃) 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 of each ingredient, see the TDS or 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. SIA Chemical Technologies assumes no responsibility for compliance with legal requirements if our products are processed or modified from their original form.

Viktor Denezhnikov
Chairman of the Board
Date: 02.10.2026