A material designed for human contact.

Toxicological testing carried out by INESCOP, a European technology centre for the footwear industry — report no. C-24041693.

Toxicological testing — substances analysed

Substance	Method	Measured content	Regulatory threshold
Phthalates (DBP, DEHP, BBP, DIBP, DINP, DIDP…)	EN ISO 16181-1:2021 (GC-MS)	**< 50 mg/kg — n.d.**	1,000 mg/kg
Organotins (DBT, DOT, TBT, TPhT)	CEN ISO/TS 16179:2013 (GC-MS)	**< 0.2 mg/kg — n.d.**	1,000 mg/kg
Polycyclic aromatic hydrocarbons (PAHs)	EN ISO 16190:2022 (GC-MS)	**< 1 mg/kg — n.d.**	20 mg/kg — REACH Annex XVII, entry 50
Short-chain chlorinated paraffins C10–C13	INESCOP 1770 (GC/ECD)	**< 0.01%**	< 1.5% (POP)
Heavy metals (Pb / Cd)	CPSC-CH-E1002-08.3 (ICP-MS)	**Pb < 16 · Cd < 16 mg/kg**	Pb < 500 · Cd < 100 mg/kg
Dimethyl fumarate (DMFu)	EN ISO 16186:2022 (GC-MS)	**not detected** (LOQ 0.1 mg/kg)	0.1 mg/kg

n.d. = not detected. Source — INESCOP report no. C-24041693.

> The measured polycyclic aromatic hydrocarbon content is **at least twenty times lower than** the European threshold applicable to granules used in children's playgrounds (REACH Annex XVII, entry 50).

Origin of the material

Granules made from shoe-sole production offcuts from European industry: a pre-consumer material, not end-of-life waste. The same polymer family as tyre SBR, but with a different formulation and a different history: a sole is made to be worn in contact with the skin, and these offcuts have never been used.

Traceability

Identified European industrial streams. Processed by a licensed operator, audited on site. Free from textile fibres and metal particles. Plant identities and mill certificates available on request, under a non-disclosure agreement.

Odour-neutral

No sulphur emissions and no tyre smell — a decisive criterion for nurseries, schools and indoor spaces.

Material properties

Property	Value	Reference
Elastomer content	**> 85%**	mill specification
Grading, base layer / top layer	**3–7 mm / 1–3 mm**	industrial grading
Density	**1.180 ± 0.050 g/cm³**	mill specification