

Polyethylene HE1878E-C3

We confirm that during manufacturing of this product we do not use or intentionally add any of the chemicals restricted by the following regulations and standards and their subsequent amendments in amounts which exceed the applicable limits.

- **Annex XVII** of the REACH Regulation **1907/2006/EC** - Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles
- **Annex XIV** of the REACH Regulation **1907/2006/EC** - List of substances subject to authorisation
- **US TPCH Model Toxics in Packaging Legislation**, February 2021
- Directive **94/62/EC** (Packaging and packaging waste - PPW) and related **EN13428** and **CR13695**
- Sum of Cd, Cr(VI), Hg and Pb < 100 ppm
- Directive **2000/53/EC** (End of life vehicles - ELV) - Cr(VI), Hg and Pb < 0.1 wt%, Cd < 0.01 wt%
- Directive **2011/65/EU** (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment - RoHS) and all other RoHS legislations worldwide that restrict some or all of the following substances - Pb, Hg, Cr(VI), PBB, PBDE, DEHP, BBP, DBP, DIBP < 0.1 wt%, Cd < 0.01 wt%
- Directive **2012/19/EU** (Waste Electrical & Electronic Equipment - WEEE) - Annex VII - No ingredients used which require selective waste treatment
- Regulation **1005/2009/EC** (Substances that deplete the ozone layer)
- **US Clean Air Act**, Title VI, Classes I and II (EPA Final Rule; Federal Register 8136, 11.2.1993) on substances that deplete the ozone layer
- Regulation (EU) **2019/1021** on persistent organic pollutants (POPs)
- Food allergens as listed in
- Annex II of Regulation (EU) 1169/2011
- US FALCPA of 2004 and FASTER Act of 2021
- Brazilian Resolution RDC no. 727 of July 2022
- Global Automotive Declarable Substance List (**GADSL**)
- No use of prohibited or declarable substances above threshold limits
- Swiss **SR 814.018** (Verordnung über die Lenkungsabgabe auf flüchtigen organischen Verbindungen - VOCV) - VOC's according to Annexes 1 & 2 < 3 wt%
- Regulation **1223/2009/EC** (cosmetic products) - prohibited and restricted substances
- Directive **2009/48/EC** (safety of toys)
- European Standard **EN 71-3:2019+A1:2021** "Safety of Toys", Part 3: "Migration of certain elements" - Migration below limits for toy material category III in Table 2.
- Japanese CSCL; Class I or II Specified Chemical Substances
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Regarding classification of the above product according to REGULATION (EC) No 1272/2008 and its subsequent amendments, reference is made in the SDS/PSIS for the above product.

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We also confirm that during the manufacturing of the above product we do not use or intentionally incorporate into it any of the following materials:

Acrylamide	Nanomaterials (>50% of particles <100 nm)
Aromatic Amines (restricted in Regulation 1907/2006/EC, Annex XVII)	Natural rubbers, Latex
Artificial Musk	Nitrosamines, Nitrates, Nitrites
Asbestos	Octyl- and Nonylphenols and Octyl- or Nonylphenoethoxylates; TNPP
Azocolorants (restricted in Regulation 1907/2006/EC, Annex XVII)	Organotin compounds
Azodicarbonamide, semicarbazide	Oxo-degradable additives
Benzophenones (e.g. 4-MBP, 4-HBP, 2,2'-Dimethoxy-2-phenylacetophenone)	Parabens
BHA or BHT	PBT and vPvB substances according to EC Regulation No.1907/2006 (REACH)
Biocides (Pesti-, Herbi-, Insecti-, Fungi-, Bactericides)	PBT substances under TSCA section 6(h)
Bisphenols and their compounds (e.g. NOGE, BFDGE, BADGE)	PFAS (acc. OECD definition)
CFC, HCFC	PFOA, PFOS
CMR substances Categories 1A, 1B according to Regulation 1272/2008/EC	Phthalates
Colophony (rosin)	Plasticisers (e.g. Adipates, ESBO, NETSA, Phthalates)
4,4'- Diaminodiphenylmethane (MDA)	Polychlorinated Bi-, Terphenyls and Naphthalenes
Di-2-ethyl-hexyl maleate (DEHM)	Polychlorinated dibenzodioxins and dibenzofurans
Dimethylfumarate (DMF), Dibutylfumarate	Polycyclic aromatic hydrocarbons (PAH) as restricted in Regulation 1907/2006/EC, Annex XVII
1,4-Dioxane	Quaternary ammonium compounds
Elements: Antimony, Arsenic, Beryllium, Bismuth, Cobalt, Gold, Indium, Lanthanites, Nickel, Palladium, Selenium, Silver, Tellurium, Thorium, Tin, Tantalum, Tungsten	Radioactive substances
Heavy metals: Cadmium, Chromium (VI), Lead, Mercury	Resorcinol
Endocrine disruptors: Category 1 substances in the European Commission EDS database or substances identified as ED at EU level	Silicones (polysiloxanes)
2-Ethylhexanoic acid, Ethoxyquin, ITX, Thiurams	Styrene, Polystyrene
Flame retardants (halogenated or phosphorus based)	SVHC on "Candidate List of Substances of Very High Concern for Authorisation"
Formaldehyde	Thiuram mix
Fragrances	Tri-tert-butylphenol
Furfural	UV-hardeners (e.g. ITX, Titanyl-acetylacetone)
Glycol ethers (e.g. EGME, EGMEA, EGEE, EGEEA)	Vinylchloride, Vinylidenechloride, PVC, CPVC or PVDCAcrylamide
Glyoxal	Aromatic Amines (restricted in Regulation 1907/2006/EC, Annex XVII)
Halogenated organic compounds	Artificial Musk
Hydroquinone	Asbestos
Isocyanates, polyurethanes	Azocolorants (restricted in Regulation 1907/2006/EC, Annex XVII)
Mechanically recycled materials	Azodicarbonamide, semicarbazide
Melamine, Cyanuric acid	Benzophenones (e.g. 4-MBP, 4-HBP, 2,2'-Dimethoxy-2-phenylacetophenone)
Mica	BHA or BHT
MOAH (mineral oil aromatic hydrocarbons)	Biocides (Pesti-, Herbi-, Insecti-, Fungi-, Bactericides)
	Bisphenols and their compounds (e.g. NOGE, BFDGE, BADGE)
	CFC, HCFC

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 Fragrances
 Furfural
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 Glyoxal
 Halogenated organic compounds
 Hydroquinone
 Isocyanates, polyurethanes
 Mechanically recycled materials
 Melamine, Cyanuric acid
 Mica
 MOAH (mineral oil aromatic hydrocarbons)
 Nanomaterials (>50% of particles <100 nm)

Natural rubbers, Latex
 Nitrosamines, Nitrates, Nitrites
 Octyl- and Nonylphenols and Octyl- or Nonylphenoethoxylates; TNPP
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 Oxo-degradable additives
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 PFOA, PFOA
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 Quaternary ammonium compounds
 Radioactive substances
 Resorcinol
 Silicones (polysiloxanes)
 Styrene, Polystyrene
 SVHC on "Candidate List of Substances of Very High Concern for Authorisation"
 Thiuram mix
 Tri-tert-butylphenol
 UV-hardeners (e.g. ITX, Titanyl-acetylacetone)
 Vinylchloride, Vinylidenechloride, PVC, CPVC or PVDC

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The ingredients of the above product, and if applicable the basic polymer(s), are either listed or exempted in the following chemical inventories:

Australia/AIICS
Canada/DSL
China/IECSC
Europe/EINECS or ELINCS or NLP
Japan/ENCS and ISHL
Korea/KECL
New Zealand/NZIoC
Philippines/PICCS
Taiwan/TCSI
USA/TSCA (all relevant ingredients designated as active)

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Taiwan/TCSI
USA/TSCA (all relevant ingredients designated as active)

Prepared by Borealis, Group Product Stewardship

Disclaimer

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.

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