

Polyethylene

BorSafe™ HE3493-LS-H

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
- 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 (EU) **2024/590** on Substances that deplete the ozone layer, repealing 1005/2009/EC
- **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)
- Global Automotive Declarable Substance List (**GADSL**)
 - No use of prohibited substances. Declarable substances above the reporting limit can be found via the IMDS entry for products intended for automotive applications.
- Swiss **SR 814.018** (Verordnung über die Lenkungsabgabe auf flüchtigen organischen Verbindungen - VOCV) - VOC's according to Annexes 1 & 2 < 3 wt%
- Japanese CSCL; Class I or II Specified Chemical Substances

BorSafe is a trademark of the Borealis group.

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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.

We also confirm that during the manufacturing of the above product we do not use or intentionally incorporate into it any of the following substances. These substances are not expected to be present in this product, however, the product has not been specifically analysed for the presence of these substances:

Acrylamide	Isocyanates, polyurethanes
Additives of animal origin	Mechanically recycled materials
Aromatic Amines (restricted in Regulation 1907/2006/EC, Annex XVII)	Melamine, Cyanuric acid
Artificial Musk	Mica
Asbestos	Natural rubbers, Latex
Azocolorants (restricted in Regulation 1907/2006/EC, Annex XVII)	Nitrosamines, Nitrates
Azodicarbonamide, semicarbazide	Octyl- and Nonylphenols and Octyl- or Nonylphenoethoxylates; TNPP
Benzophenones (e.g. 4-MBP, 4-HBP, 2,2'-Dimethoxy-2-phenylacetophenone)	Organotin compounds
Biocides (Pesti-, Herbi-, Insecti-, Fungi-, Bactericides)	Oxo-degradable additives
Bisphenols and their compounds (e.g. NOGE, BFDGE, BADGE)	Parabens
CFC, HCFC	PBT and vPvB substances according to EC Regulation No.1907/2006 (REACH)
CMR substances Categories 1A, 1B according to Regulation 1272/2008/EC	PBT substances under TSCA section 6(h)
Colophony (rosin)	PFAS (acc. OECD definition)
4,4'- Diaminodiphenylmethane (MDA)	PFOA, PFOS
Di-2-ethyl-hexyl maleate (DEHM)	Photoinitiators
Dimethylfumarate (DMF), Dibutylfumarate	Phthalates
1,4-Dioxane	Plasticisers (e.g. Adipates, ESBO, NETSA)
Elements: Arsenic, Beryllium, Bismuth, Cobalt, Gold, Indium, Palladium, Selenium, Silver, Tellurium, Thorium, Tin, Tantalum, Tungsten	Polychlorinated Bi-, Terphenyls and Naphthalenes
Heavy metals: Cadmium, Chromium (VI), Lead, Mercury	Polychlorinated dibenzodioxins and dibenzofurans
2-Ethylhexanoic acid, Ethoxyquin, ITX, Thiurams	Polycyclic aromatic hydrocarbons (PAH) as restricted in Regulation 1907/2006/EC, Annex XVII
Flame retardants (halogenated or phosphorus based)	Radioactive substances
Formaldehyde or formaldehyde releasers	Resorcinol
Fragrances	Styrene, Polystyrene
Furfural	SVHC on "Candidate List of Substances of Very High Concern for Authorisation"
Glyoxal	Thiazolinones
	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)

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.

Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

No liability can be accepted in respect of the use of Borealis' products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.