



Epsilyte Peru Product Stewardship

Version 2

2025

Welcome to our compliance assurance statement for Epsilyte LLC, **(referred to periodically in this document as “Epsilyte Peru”)**, located in Peru, Illinois. As a trusted leader in the industry, we are committed to providing our customers with safe and high-quality products. Our expandable polystyrene resins are carefully formulated to meet regulatory standards and to avoid the inclusion of harmful substances. Our resins and raw materials are monitored for residual chemicals and manufacturing by-products on a continuing basis as required by good manufacturing practices. **Epsilyte LLC disclaims any liability for any potential issues arising from the presence of untested substances that may inadvertently be present in trace amounts. All statements contained here-in are subject to the disclaimer made at the end of the document.** These declarations and certifications may apply to specific product groups at the Peru, IL site. We advise you to read each disclaimer section thoroughly, or reach out to an Epsilyte representative for clarification. This statement outlines our commitment to transparency, safety, and quality in all our products. We value your partnership and trust in Epsilyte, and we are dedicated to maintaining the integrity and excellence you expect from us.



Epsilyte Peru

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I. General FDA Status of Epsilyte Grade 55 and 71 Expandable Polystyrene

The Epsilyte Peru expandable polystyrene grades 55 and 71 have been formulated to comply with U.S. Food and Drug Administration's (FDA) regulations for use as a basic component of direct food contact items per CFR (Code of Federal Regulations) Title 21. These grades meet criteria including residual styrene content as set forth in CFR Title 21 chapter I subchapter B part 177.1640 entitled "Polystyrene and Rubber Modified Polystyrene" and section 178.3010 entitled "Adjuvant Substances Used in the Manufacture of Foam Plastics" for use as a basic component of single and repeatable use direct food contact items. . **This applies to the products ending in “55” and “71”.**

TABLE 2. CONDITIONS OF USE	
A.	High temperature, heat sterilized or retorted (ca. 121 °C (250 °F)).
B.	Boiling water sterilized.
C.	Hot filled or pasteurized above 66 °C (150 °F).
D.	Hot filled or pasteurized below 66 °C (150 °F).
E.	Room temperature filled and stored (no thermal treatment in the container).
F.	Refrigerated storage (no thermal treatment in the container).
G.	Frozen storage (no thermal treatment in the container).
H.	Frozen or refrigerated storage; ready prepared foods intended to be reheated in container at time of use.



II. Free of Statements

a. CFC HCFC Free

The Epsilyte Peru expandable polystyrene (EPS) products are formulated to be free from any added chlorine or chlorinated chemicals, including but not limited to the following:

- Chlorofluorocarbons (CFCs)
- Hydro chlorofluorocarbons (HCFCs)
- Polyvinylchloride (PVC)
- Chlorinated polyethylene
- Chlorosulfonated polyethylene
- Pentachlorophenol

This does not include packaging that Epsilyte products may be contained in, as regulations in some countries require treated wooden pallets for importation of goods.

b. Allergens Free

The Epsilyte Peru expandable polystyrene (EPS) products are formulated to be free from and have not come into contact with the allergens listed below:

- Milk and milk products
- Peanuts and peanut products
- Wheat and wheat products
- Fish & Crustaceans (also known as "shellfish")
- Soybean and soybean-based products
- Egg and egg products
- Tree nuts
- Dried Fruit
- Gluten (Wheat Oats Barley)
- Mustard & Sesame seeds
- Sulfites & Sulfur



c. Petrochemical Fertilizer and Pesticide Free

The Epsilyte Peru expandable polystyrene (EPS) products are formulated to be free from petrochemical fertilizers and pesticides. This does not include packaging that Epsilyte products may be contained in as some countries require treated wooden pallets for importation of goods.

d. Urea-Formaldehyde Free

The Epsilyte Peru expandable polystyrene (EPS) products are formulated to be free from urea-formaldehyde (also known as urea-methanal).

e. Biocides Free

The Epsilyte Peru expandable polystyrene (EPS) products are formulated to be free from biocides.

f. Latex, Animal Derivatives, Phthalates, BPA, BPS, PPD Free

The Epsilyte Peru expandable polystyrene (EPS) products are formulated to be free from any of the following chemicals or substances:

- Animal Derivatives
- Latex
- Phthalates
- Bisphenol A (BPA); Bisphenol S (BPS)
- para-Phenylenediamine



g. PBT Substances Regulated Under US TSCA § 6(h)

The Epsilyte Peru expandable polystyrene (EPS) products are formulated to be free from the following PBT (Persistent Bioaccumulative Toxic) substances regulated under US TSCA (Toxic Substance Control Act) section 6(h):

- PIP (3:1) - phenol isopropylated phosphate (3:1) – CAS # 68937-41-7
- DecaBDE - decabromodiphenyl ether – CAS # 1163-19-5
- TTBP - 2,4,6-tris(tert butyl) phenol – CAS # 732-26-3
- HCBd - hexachlorobutadiene – CAS # 86-68-3
- PCTP - pentachlorothiophenol – CAS # 133-49-3

h. Conflict Minerals Free

The Epsilyte Peru expandable polystyrene (EPS) products do not purposely use conflict minerals in the production conflict minerals include gold, columbite-tantalite (also known as coltan), cassiterite, and wolframite or their derivatives tin, tantalum, or tungsten (collectively known as the “3TGs”).



III. PFAS Statement

The Epsilyte Peru expandable polystyrene (EPS) products are formulated to be free from any perfluoroalkyl and polyfluoroalkyl substances (also known as PFAS) including but not limited to the following:

- Perfluorobutanesulfonic acid
- Perfluorohexanesulfonic acid
- Perfluorooctanesulfonic acid &
- n-Perfluorooctanesulfonic acid
- Perfluoromethylheptanoic acid
- Perfluoromethylheptanesulfonic acids (AKA methyl branched PFOs)
- n-Perfluorooctanoic acid
- Branched Perfluorooctanoic acids
- Perfluorononanoic acid
- Perfluoroundecanoic acid

IV. POPs (Persistent Organic Pollutants) Substances

The Epsilyte Peru expandable polystyrene (EPS) products are formulated to be free from any Persistent Organic Pollutants (POPs) as identified in Regulation (EU) 2019/1021 Annex I. Nor are any POPs created as a by-product during use or customary disposal of polystyrene in a municipal solid waste stream.



V. Prop 65

Epsilyte Peru expandable polystyrene resins contain a chemical, styrene, that is on the list of chemicals known to the State of California to cause cancer. (Proposition 65 CAL.HSC. §25249.5) Epsilyte Peru resins may contain low levels of ethylbenzene which is also listed under California Proposition 65 as chemicals known to cause cancer. The resin as shipped from the facility contains less than 0.099% residual styrene and less than 0.015% ethylbenzene. Epsilyte Peru does not have data on the styrene and ethylbenzene concentrations in the finished products after expansion or molding. In addition, Epsilyte Peru does not have data on emission rates or decay curves of styrene and ethylbenzene from molded EPS. Records related to the manufacture of these materials will be maintained for at least 3 years in the event that a review is required.

VI. REACH SVHC

Epsilyte LLC **54, 55, and 71 grade** expandable polystyrene resins comply with the requirements of the Substance of Very High Concern (SVHC) list under the REACH regulation. This applies to products manufactured at the Peru, IL facility. The lists and annexes covered by this statement include the following:

- ECHA's Candidate List of Substances of Very High Concern (SVHC) for Authorization
- Annex XIV – List of Substances Subject to Authorization
- Annex XVII – Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Mixtures and Articles (which includes all substances identified in Appendices 1-6 & 8-11)



VII. RoHS

The Epsilyte Peru expandable polystyrene (EPS) products meet the following directives and policies:

- European Directive 92/62/EC for Packaging and Packaging Waste
- European Directive 2002/95/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment [also known as RoHS (Restriction of Hazardous Substances)]
- European Directive 2011/65/EU [also known as RoHS2 or RoHS Recast]
- European Delegated Directive 2015/863 [also known as RoHS3]
- CONEG's (Coalition of Northeastern Governors) Policy on Toxics in Packaging
- State of California Health & Safety Code sections 25214.11-25214.26 (also known as "Toxics in Packaging Act")
- China RoHS 2 Directive

Additionally, EPS all products manufactured in Peru, IL are free from the following substances:

- Heavy Metals: Cadmium (Cd), Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr(VI))
- PBBs (Polybrominated Biphenyls)
- PBDEs (Polybrominated Diphenyl Ethers)
- DEHP (Bis(2-Ethylhexyl) Phthalate)
- BBP (Butyl Benzyl Phthalate)
- DBP (Dibutyl Phthalate)
- DIBP (Diisobutyl Phthalate)



VIII. Written Kosher Statement

The Epsilyte Peru expandable polystyrene (EPS) products for food contact applications (55 grade) do not contain any ingredients derived from animal sources and are produced in compliance with Kosher guidelines.

IX. Mineral Oil (MOSH & MOAH) in Epsilyte Grade 54 & Grade 55

Epsilyte Peru products produced at the Peru, Illinois facility such as Grade 55 may contain white mineral oil that meets USP (United States Pharmacopeia) requirements and US FDA 21 CFR § 172.878 and § 172.3620 (a) for use as a direct or indirect food additive. Please note that Epsilyte Peru Grade 54 contains a halogenated flame retardant and is NOT approved for use in any food contact application.

X. UFLPA Entity List

Epsilyte Peru's processes used to produce its expandable polystyrene (EPS) products do not use materials sourced from any entities on the Uyghur Forced Labor Prevention Act (UFLPA) Entity List.



XI. Packaging Conformance to International Maritime Dangerous Goods (IMDG) Code

Epsilyte Peru's expandable polystyrene (UN 2211) products packaged in drums, Gaylord boxes and Fiber Intermediate Bulk Containers (FIBCs) are hermetically sealed within an inner liner that is pentane impermeable in compliance with IMDG (International Maritime Dangerous Goods) Code requirement Special Provision 965. The liners used are triple ply and manufactured from substances that ensure the liner is pentane impermeable. Each liner is individually sealed in either the drum, box or FIBC.

For non-bulk packaging, plastic drums (1H2) or fiber drums (IG) may be used per IMDG Packing Instruction P002. Per requirements of IMDG Packing Provision PP14, non-bulk package for UN 2211 is not required to meet the performance test in chapter 6.1. For bulk packing, IMDG Packing Provision IBC08 specifies packaging types (4) fiberboard (11G) and (6) flexible (13H3) are authorized for use. Epsilyte liners meet the requirements of IMDG Packing Provision IBC08 B3: "Flexible IBCs shall be sift-proof and water-resistant or shall be fitted with a sift-proof and water-resistant liner". Per IMDG Packing Provision IBC08 B6, "For UN Nos 2211..., IBCs are not required to meet the IBC testing provisions of chapter 6.5".

XII. Grade 55 Test Results for California Technical Bulletin 117-2013 (CA TB117-2013)

Epsilyte Peru's Grade 55 Expanded Polystyrene Fill was tested by The Govmark Organization Inc. in accordance with CA TB 117-2013 in June of 2014. The test result for this material was passing. Please note that Epsilyte, LLC was formerly owned by Flint Hills Resources (FHR) when the testing was performed. The Grade 55 EPS formulation tested has not been significantly changed since that time. The test report #3-02470-0-RV can be made available if required.



Epsilyte LLC makes no warranty nor representation of any kind, express or implied, with respect to any product of the Company, and disclaims any and all express and implied warranties or representations to the fullest extent permissible by law, including any representation or warranty regarding shelf life, merchantability, title, non-infringement, and fitness of any such product for any particular purpose, regardless of whether the intended purpose of any such product is known by the Company.

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We deeply appreciate your trust and confidence in choosing Epsilyte materials. Your satisfaction is our top priority, and we are committed to providing you with the highest quality products and services. Thank you for making Epsilyte your preferred partner in meeting your material needs. We look forward to continuing to serve and support you in all your future endeavors.

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