

**Date:** July 26, 2024  
**Subject:** Statement regarding various substances  
**Version:** 3.9

## Statement regarding various substances

### Luminy® PLA (L105,L130,L175,LX175,LX530,LX575,LX930,LX975) Luminy® PDLA (D070,D120) Including grades with RMB and BMB suffixes<sup>1</sup>

TotalEnergies Corbion hereby declares that the abovementioned Luminy® products are not intentionally formulated to contain the following substances:

Substance or class of substance	CAS No.
1. 1,4-butanediol	110-63-4
2. 1,3-benzenediol (Resorcinol)	108-46-3
3. 1,4-Dioxane	123-91-1
4. 2,2-dimethoxy-2-phenylacetophenone	24650-42-8
5. 2,4-pentanedione (acetylacetone)	123-54-6
6. 2,4-xylydine	95-68-1
7. 2,6-xylydine	87-62-7
8. 3,4-diacetoxy-1-butene	18085-02-4
9. 3-monochloro-propanediol (3-MCPD)	96-24-2
10. 4-amino-3-fluorophenol	399-95-1
11. 6-amino-2-ethoxynaphthaline	293733-21-8
12. Acrylamide	79-06-1
13. Adsorbable organically combined halogens (AOX)	
14. Alkylphenols and alkylphenol ethoxylates	
15. Aluminum	
16. Anthraquinone	84-65-1
17. Aromatic amines (as listed in Regulation 1907/2006/EC Annex XVII Appendix 8)	
18. Asbestos (as listed in Regulation 1907/2006/EC Annex XVII)	1332-21-4
19. Azocolorants	
20. Azodicarbonamides (ADA)	
21. Benzene	71-43-2
22. Benzophenone and derivatives	
Benzophenone	119-61-9
2-hydroxybenzophenone	117-99-7
3-hydroxybenzophenone	13020-57-0
4-hydroxybenzophenone	1137-42-4
4-methylbenzophenone	134-84-9
23. BHA (tert-butyl-4-hydroxyanisole)	121-00-6
24. BHT (2,6-di-tert-butyl-p-cresol)	128-37-0
25. Biocides (as defined in Article 3(1)(a) of EU regulation No 528/2012)	
26. Bisphenol A and its derivatives	9980-07-6

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27.	Bisphenol B and its derivatives	77-40-7
28.	Bisphenol F and its derivatives	620-92-8
29.	Bisphenol S and its derivatives	80-09-1
30.	CADS – RSL 7 Footwear list	
31.	Carbon Black	1333-86-4
32.	Chain and ring-shaped hydrocarbons (MOSH, mineral oil saturated hydrocarbons)	
33.	Chlorinated solvents	
34.	Chlorobenzenes	
35.	Chlorophenols	67-97-0
36.	Cholecalciferol (Vitamin D3)	
37.	Class I CFCs (chlorofluorocarbons) or Class II HCFCs (hydrochlorofluorocarbons)	
38.	CMR substances (Carcinogenic, Mutagenic, Reprotoxic) as set out in section 3.5, 3.6 and 3.7 of Annex I of EC 1272/2008	
39.	Cobalt(II)-chloride	7469-79-9
40.	Conflict minerals as defined by Section 1502 of the Dodd-Frank Act	
41.	Cyanuric acid (1,3,5-triazin-2,4,6-triol)	108-80-5
42.	Derivatives from palm tree	
43.	DEAB (4,4'-bis(diethylamino)benzophenone)	90-93-7
44.	Diarlyide pigments or dyes	
45.	Dichloro-propanediol (DCP)	
46.	Dimethyl Fumarate	624-49-7
47.	Diethanolamine	111-42-2
48.	Dioxins and Furans	
49.	Di-isopropylnaphthalenes (DIPN)	
50.	Diphenyl-2-ethylhexylphosphate (DPO)	1241-987-2
51.	Elastomers or rubbers from which n-nitrosamines may be released	
52.	Endocrine disruptors ( as regulated in the EU in PPPR, BPR or REACH) e.g. Mancozeb	
53.	Epichlorohydrin	106-89-8
54.	Epoxy derivatives (BADGE, BFDGE, NOGE) according Regulation 1895/2005/EC	
55.	Epoxy silanes including GLYMO, GLYEO & their reaction products	
56.	Erucamide	112-84-5
57.	ESBO (Epoxidized Soybean Oil)	8013-07-8
58.	Ethyl-4-dimethylaminobenzoate	10287-53-3
59.	Ethylbenzene	100-41-4
60.	Ethyleneimine (aziridine)	151-56-4
61.	Formaldehyde	50-00-0
62.	Formaldehyde cyanohydrin	107-16-4

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63.	Flame retardants	
64.	Fluorescent optical brightening agents	
65.	Fluorinated organic compounds or polymers	
66.	Fluorinated surfactants	
67.	Fungicides (according to EEA definition)	
68.	Halogens and halogenated compounds	
69.	Hydrazines (azodicarbonamides)	
70.	Hydroquinone	123-31-9
71.	Irgafos 168 (Tris(2,4-di-tert-butylphenyl)phosphite)	31570-04-4
72.	Irgafos 126 (3,9-bis(2,4-ditert-butylphenyl)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane)	26741-53-7
73.	ITX (Isopropylthioxanthone)	83846-86-0
74.	Glycol ethers of E-list and their acetates and beta-isomers of glycol ethers of P-list and their acetates	
75.	Latex (Natural rubber latex or natural rubber)	
76.	Linear Alkylbenzenes (defined as benzene with a linear alkyl C10-C13 chain)	67774-74-7
77.	Maleic acid-di-(2-ethyhexyl)-ester	142-16-5
78.	Melamine	108-78-1
79.	MEK (Methyl Ethyl Ketone or 2-butanone)	
80.	MIBK (Methyl Isobutyl Ketone)	
81.	Michler's ketone	90-94-8
82.	MOAH (Mineral oil aromatic hydrocarbons)	
83.	Nitrosamines	
84.	Nanoparticles as defined in the Commission recommendation 2011/696/EU	
85.	(Tris)Nonylphenol and nonylphenol ethoxylate (1907/2006/EC Annex XVII)	
86.	o-phenylphenol and sodium o-phenylphenate	
87.	Organic tin compounds as listed in Commission decision 2009/425/EC	
88.	Ozone depleting substances EC 1005/2009	
89.	Para-phenylenediamine (PPD)	106-50-3
90.	Parabens	
91.	Perchlorates	
92.	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under TSCA Section 6(h)	
93.	Persistent Organic Pollutants (POP) as listed in Annex A, B and C of the Stockholm Convention	
94.	Pesticides (as defined in Article 12 of EU regulation No 396/2005)	
95.	Phenols and polyphenols	
96.	Phenylphenol	90-43-7
97.	Plasticizers (Adipates, Phthalates, Citrates)	

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98.	Polybrominated biphenyls (PBB)	
99.	Polybrominated biphenylether (PBDE)	
100.	Polychlorinated n-alkanes	
101.	Polychlorinated biphenyls (PCB)	
102.	Polycyclic aromatic hydrocarbons (PAH) as listed in regulation 1907/2006/EC Annex XVII	
103.	PFAS (Per- and polyfluoroalkyl substances)	
104.	PFCA (Perfluorocarboxylic acids)	
105.	PFOA (Perfluorooctanoic acid)	335-67-4
106.	PFOS (Perfluorooctanesulfoic acid)	1763-23-1
107.	Polystyrene (PS) and styrene	9003-53-6 100-42-5
108.	Polyvinyl chloride (PVC), PVDC and Vinyl chloride monomer	
109.	POSH (Polyolefin oligomeric saturated hydrocarbons)	
110.	Priority Pollutants as listed in Appendix A of 40 CFR 423 of the US EPA	
111.	Prohibited toxic substances listed in Schedule 1 of the Canadian Prohibition of Certain Toxic Substances Regulations, 2012	
112.	Radioactive substances as defined in Directive 96/29/EURATOM	
113.	Residual solvents listed as Class 1 or 2 in the Q3C Guidance of ICH	
114.	Rhodamine-based pigments	
115.	Semicarbazide (SEM) / Azodicarbonamide as defined in Directive 2004/1/EC	
116.	Short-Chain Chlorinated Paraffins (SCCPs)	
117.	Silicon	7440-21-3
118.	Substances classified as toxic (T) or very toxic (T+) according to Regulation EC 1272/2008	
119.	Sulfonamide type plasticizers (type NETSA)	
120.	Talc	14807-96-6
121.	Tetrahydrofuran	109-99-9
122.	Titan-acetylacetonate (TAA)	14024-64-7
123.	Titanium dioxide (TiO <sub>2</sub> )	
124.	Toluene	108-88-3
125.	Tributyltin oxide (TBTO)	56-35-9
126.	Tributyltin (TBT)	
127.	Triclosan	3380-34-5
128.	Tris-Nonylphenol Phosphite (TNPP)	26523-78-4
129.	Vinylchloride	75-01-4

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TotalEnergies Corbion does not test each raw material we purchase, nor do we test our PLA and PDLA products for trace amounts of these substances. However, we do exercise good product stewardship practices and seek information concerning the composition of our raw materials from our suppliers. Based on this information, and knowledge of our manufacturing process, we believe that our product does not contain the substances listed above.

This statement does not cover converters and/or final product manufacturers in case of:

- modification of our product by any addition of any other product to it.
- modification of the product resulting from processing of the product.
- inadequate use and / or storage of the material and of the finished article.

A handwritten signature in blue ink, appearing to read 'Maelenn Ravard'.

**Maelenn Ravard**  
Regulatory and Sustainability manager

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