

PRODUCT REGULATORY INFORMATION SHEET

POLYWHITE 8160 WHI, [104P0]

We certify, that during manufacturing of this product, we do not use or intentionally incorporate into it, any of the chemicals as restricted by the following regulations and their subsequent amendments in amounts which exceed the applicable limits.

- Directive 2011/65/EC (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment - RoHS)
 - Cr(VI), Hg, Pb, PBB and PBDE < 0.1 wt%, Cd < 0.01 wt%
- Directive 2012/19/EC (Waste Electrical & Electronic Equipment - WEEE) - Annex II
 - No ingredients used which require selective waste treatment (As, Hg, PCB, PCT, CFC, HCFC, HFC, brominated FR)
- Directive 2000/53/EC (End of life vehicles - ELV)
 - Cr(VI), Hg and Pb < 0.1 wt%, Cd < 0.01 wt%
- Directive 94/62/EC (Packaging and packaging waste) and US CONEG "Toxics in Packaging" Regulation, as amended
 - Sum of Cd, Cr, Hg and Pb < 100 ppm

Regarding classification of the above product according to REGULATION (EC) No 1272/2008 and its subsequent amendments, reference is made in the SDS for the above product.

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

- Candidate list of substances of very high concern in accordance with Article 59(10) of the REACH regulation as published by ECHA on July 08, 2021
- Dimethyl fumarate – Cas 624-49-7 In relation to Commission Decision (EC) 2009/251
- Organotin compounds (TBT, DBT, MBT)
- Bisphenol A (CAS No 80-05-7) / Bisphenol F / Bisphenol S / Bisphenol B
- Other epoxy derivatives, BADGE, BFDGE or NOGE
- Latex / natural rubber
- PVC and PVC compounds, Vinyl Chloride, PVDC (Polyvinylidene chloride)
- Nitrosamines

- Substances of animal origin
- Engineered nanomaterials
Of course, it is well known that many powders (dyestuffs, pigments and additives) used in the production of masterbatches /compounds include particles in the nano range. The lowest part of the particle size distribution of those powders can be in the nano range. Those powders are not marketed as nanomaterials, nor are they necessarily specifically engineered or manufactured to be in the <100nm range. In polymer applications these powders are encapsulated in the polymer matrix.
- Recyclates/Recycled materials according to Commission regulation (EU) 282/2008/EC of 27 March 2008 and amended up to (EU) 2015/1906 of 22 October 2015 on recycled plastic materials and articles intended to come into contact with foods.

- Perfluorooctanoic acids (PFOA)

Substance	CAS No,
Ammonium pentadecafluorooctanoate	3825-26-1
Pentadecafluorooctanoic acid	335-67-1
Ethylperfluorooctanoate	3108-24-5
Methylperfluorooctanoate	376-27-2
Pentadecafluorooctyl fluoride	335-66-0
Sodium pentadecafluorooctanoate	335-95-5

- Perfluorooctanoic sulfonates (PFOS)

Substance	CAS No,
Heptadecafluorooctane-1-sulphonic acid	1763-23-1
Potassium heptadecafluorooctane-1-sulphonate	2795-39-3
Ammonium heptadecafluorooctanesulphonate	29081-56-9
Lithium heptadecafluorooctanesulphonate	29457-72-5
Tetraethylammonium heptadecafluorooctanesulphonate	56773-42-3
Heptadecafluorooctanesulphonyl fluoride	307-35-7

- Azodyes classified according our suppliers that may form carcinogenic amines

Substance	CAS No,
C.I. Acid Red 5, C.I.14905	5858-63-9
C.I. Basic Red 111	118658-98-3
C.I. Direct Black 38, C.I.30235	1937-37-7
C.I. Direct Blue 1, C.I.24410	2610-05-1
C.I. Direct Blue 2, C.I.22590	2429-73-4
C.I. Direct Blue 3, C.I.23705	2429-72-3
C.I. Direct Blue 6, C.I.22610	2602-46-2
C.I. Direct Blue 14, C.I.23850	72-57-1
C.I. Direct Blue 295, C.I.23820	6420-22-0
C.I. Direct Brown 2, C.I.22311	2429-82-5
C.I. Direct Brown 6, C.I.30140	2893-80-3
C.I. Direct Brown 31, C.I.35660	2429-81-4
C.I. Direct Red 1, C.I.22310	2429-84-7
C.I. Direct Red 2, C.I.23500	992-59-6
C.I. Direct Red 10, C.I.22145	2429-70-1
C.I. Direct Red 28, C.I.22120	573-58-0
C.I. Direct Red 37, C.I.22240	3530-19-6
C.I. Direct Red 39, C.I.23630	6358-29-8
C.I. Disperse Yellow 7, C.I.26090	6300-37-4
Trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromate(1-)	118685-33-9

- Phthalates

○ Di-n-butyl phthalate	CAS 84-74-2
○ Di-isobutyl phthalate	CAS 84-69-5
○ Dicyclohexyl phthalate	CAS 84-61-7
○ Di-n-pentyl phthalate	CAS 131-18-0
○ Butyl benzyl phthalate	CAS 85-68-7
○ Di-n-hexyl phthalate	CAS 84-75-3
○ Di(2-ethylhexyl) phthalate	CAS 117-81-7
○ Di(n-octyl) phthalate	CAS 117-84-0
○ Diisononyl phthalate	CAS 28553-12-0/68515-48-0
○ Diisodecyl phthalate	CAS 26761-40-0/68515-49-1
○ Diundecyl phthalate	CAS 3648-20-2
○ Diisopentylphthalate	CAS 605-50-5
○ Bis(2-methoxyethyl) phthalate	CAS 117-82-8
○ 1,2-benzenedicarboxylic acid, mixed	

- decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate CAS 68648-93-1
- 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters CAS 68515-51-5
- 1,2-Benzenedicarboxylic acid; di-C6-8-branched alkylesters, C7-rich CAS 71888-89-6
- Heptyl undecyl phthalate CAS 68515-42-4
- (1,2-Benzenedicarboxylic acid, diheptyl ester) CAS 68515-44-6
- (1,2-Benzenedicarboxylic acid, dinonyl ester) CAS 68515-45-7
- (1,2-Benzenedicarboxylic acid, heptyl nonyl ester) CAS 111381-89-6
- (1,2-Benzenedicarboxylic acid, heptyl undecyl ester) CAS 111381-90-9
- (1,2-Benzenedicarboxylic acid, nonyl undecyl ester) CAS 111381-91-0
- Diallyl phthalate CAS 131-17-9

- Allergens as listed in Annex II of Regulation (EU) No 1169/2011 on the provision of food information to consumers

Allergen	Product contains this allergen (YES/NO)	Product is produced on same equipment or in same facility where these allergens are used/present (YES/NO)
Cereals containing gluten (i.e. wheat, Corn, rye, barley, oats, spelt, kamut or their hybridised strains) and products thereof	NO	NO
Crustaceans and products thereof	NO	NO
Eggs and products thereof	NO	NO
Fish and products thereof	NO	NO
Peanuts and products thereof	NO	NO
Soybeans and products thereof	NO	NO
Milk and products thereof (including lactose)	NO	NO
Nuts *(see below) and products thereof	NO	NO
Celery and products thereof	NO	NO
Mustard and products thereof	NO	NO
Sesame seeds and products thereof	NO	NO
Sulphur dioxide and sulphites (concentrations of more than 10 mg/kg or 10 mg/litre, as SO ₂)	NO	NO
Lupines and products thereof	NO	NO
Moluscs and products thereof	NO	NO

* Almond (*Amygdalus communis L.*), Hazelnut (*Corylus avellana*), Walnut (*Juglans regia*), Cashew (*Anacardium occidentale*), Pecan nut (*Carya illinoensis* (Wangenh.) K. Koch), Brazil nut (*Bertholletia excelsa*), Pistachio nut (*Pistacia vera*), Macadamia nut and Queensland nut (*Macadamia ternifolia*).

- Genetically modified organisms (GMO)

However, our suppliers also use some substances derived from organisms as starting materials for synthesis or components of mixtures (e. g. fatty acid derived alcohols or enzymes).

Due to the complexity of the channels of trade, it cannot be excluded that some of these raw materials may originate from, but do not themselves contain, genetically modified organisms (GMO's).

Such raw materials pass through a range of chemical transformation processes and purification steps and are, therefore, considered to be safe.

Ref.:

DIRECTIVE 2001/18/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 12 March 2001 on the deliberate release into the environment of genetically modified organisms and repealing Council Directive 90/220/EEC

- Persistent Organic Pollutants set out in the Stockholm Convention and Commission (EU) amended up to COMMISSION REGULATION (EU) 2021/277

Substance	CAS No,
Tetrabromodiphenyl ether C ₁₂ H ₆ Br ₄ O	40088-47-9 and others
Pentabromodiphenyl ether C ₁₂ H ₅ Br ₅ O	32534-81-9 and others
Hexabromodiphenyl ether C ₁₂ H ₄ Br ₆ O	36483-60-0 and others
Heptabromodiphenyl ether C ₁₂ H ₃ Br ₇ O	68928-80-3 and others
Bis(pentabromophenyl) ether (decabromodiphenyl ether; decaBDE)	1163-19-5
Perfluorooctane sulfonic acid and its derivatives (PFOS) C ₈ F ₁₇ SO ₂ X (X = OH, Metal salt (O-M+), halide, amide, and other derivatives including polymers)	1763-23-1 2795-39-3 29457-72-5 29081-56-9 70225-14-8 56773-42-3 251099-16-8 4151-50-2 31506-32-8 1691-99-2 24448-09-7 307-35-7 and others
DDT (1,1,1-trichloro-2,2-bis (4-chlorophenyl)ethane)	50-29-3
Hexachlorocyclohexanes, including lindane	58-89-9, 319-84-6, 319-85-7, 608-73-1
Dieldrin	60-57-1

Endrin	72-20-8
Heptachlor	76-44-8
Endosulfan	115-29-7, 959-98-8, 33213-65-9
Hexachlorobenzene	118-74-1
Chlordecone	143-50-0
Aldrin	309-00-2
Pentachlorobenzene	608-93-5
Polychlorinated Biphenyls (PCB)	1336-36-3 and others
Mirex	2385-85-5
Toxaphene	8001-35-2
Hexabromobiphenyl	36355-01-8
Hexabromocyclododecane ¹	25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8
Hexachlorobutadiene	87-68-3
Pentachlorophenol and its salts and esters	87-86-5 and others
Polychlorinated naphthalenes	70776-03-3 and others
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	85535-84-8 and others
¹ Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds	335-67-1 and others
Dicofol	115-32-2

- Ozone depleting substances according Reg. (EC) No 1005/2009; Montreal Protocol; US EPA Class 1 ODS

Substance	CAS No,
1,1,1,2-Tetrachlor-2,2-difluoroethane	76-11-9
1,1,1,3,3,3-Hexachlor-2,2-difluoropropane	3182-26-1
1,1,1,3,3-Pentachlor-2,2,3-trifluoropropane	2354-06-5
1,1,1,3-Tetrachlorotetrafluoropropane	2268-46-4
1,1,1-Tribromo-2,2,2-trifluoroethane	354-48-3
1,1,1-Trichloropentafluoropropane	4259-43-2
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1
1,1-Dibromo-1,2,2,2-tetrafluoroethane	27336-23-8
1,1-Dibromo-2,2-difluoroethylene	430-85-3
1,1-Dichlor-1,2,2,2-tetrafluoroethane	374-07-2
1,2,2-Trichloropentafluoropropane	1599-41-3
1,2,3-Trichloropentafluoropropane	76-17-5
1,2-Dibromo-1,1,2-trichloroethane	13749-38-7

1,2-Dibromo-1-chloro-1,2,2-trifluoroethane	354-51-8
1,2-Dibromotetrachloroethane	630-25-1
1,2-Dichloro-1,1,2,3,3,3-hexafluoropropane	661-97-2
1,2-Dichloro-1,1,3,3,3-pentafluoropropane	127564-92-5
1,2-Difluorotetrachloroethane	76-12-0
1-Bromo-1-chloro-2,2-difluoroethylene	758-24-7
2-Bromo-1,1-dichloroethylene	5870-61-1
Bromochlorodifluoromethane	353-59-3
Bromodichlorofluoromethane	353-58-2
Bromofluoromethane	373-52-4
Bromopentafluoroethane	354-55-2
Bromotrifluoroethylene	598-73-2
Bromotrifluoromethane	75-63-8
Carbon tetrabromide	558-13-4
Carbon tetrachloride	56-23-5
Chlorobromomethane	74-97-5
Chlorobromotrifluoroethane	74925-63-6
Chlorodibromomethane	124-48-1
chlorotrifluoroethylene	79-38-9
Chlorotrifluoromethane	75-72-9
Cryofluorane	76-14-2
Decafluorobutane	355-25-9
Dibromodichloromethane	594-18-3
Dibromodifluoromethane	75-61-6
Dibromotetrafluoroethane	25497-30-7
Dibromotetrafluoroethane (Halon 2402)	124-73-2
Dichlorodifluoromethane	75-71-8
dichlorotetrafluoroethane	1320-37-2
Ethane, 1-bromo-2-chloro-1,1,2-trifluoro-	354-06-3
Ethane, 2-bromo-1-chloro-1,1,2-trifluoro-	354-20-1
Ethane, 2-bromo-2-chloro-1,1,1-trifluoro-, (R)-	51230-17-2
Ethane, 2-bromo-2-chloro-1,1,1-trifluoro-, (S)-	51230-18-3
Ethane, tribromo-	598-16-3
Ethene, tetrabromo-	79-28-7
Heptachlorofluoropropane	135401-87-5

Heptachlorofluoropropane	422-78-6
Heptafluoropropyl chloride	422-86-6
Hexachlorodifluoropropane	134452-44-1
Hexachloroethane	67-72-1
Methane, bromotrichloro-	75-62-7
Methane, tribromofluoro-	353-54-8
Methyl bromide (Bromomethane)	74-83-9
Monochloropentafluoroethane	76-15-3
Octafluoropropane	76-19-7
Pentabromoethane	75-95-6
Pentachlorofluoroethane	354-56-3
Pentachlorotrifluoropropane	134237-31-3
Perfluoroethane	76-16-4
Tetrachlorotetrafluoropropane	29255-31-0
Tribromochloromethane	594-15-0
Trichlorofluoromethane	75-69-4
Trichlorotrifluoroethane	26523-64-8
Trichlorotrifluoroethane	354-58-5

The absence of above substances has not been verified by analysis or tests by LyondellBasell and is declared based on the information available to us from our raw material suppliers. The info we receive from our suppliers is info which they are legally obliged to share with their downstream users.

It can therefore not be excluded that trace levels of these substances may be unintentionally present (amongst others because they may be ubiquitous in the environment) or may result from the specific characteristics of the raw materials or the manufacturing process. It is the responsibility of the recipient of our products to ensure that any local applicable rules and legislation are observed.

Statement managed by LyondellBasell – Product Safety Department

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