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Data Sheet of Compliance for MALEN E FABS 23-D022

Origin

Low density polyethylene under the trade name Malen E FABS 23-D022 is manufactured by Basell Orlen Polyolefins Sp. z o. o. in granular form on the territory of Poland and according to Article 60 of the EU Customs Code is of Polish origin (last updated: October 2013).

Polish Classification of Goods and Services

According to Council of Ministers Regulation of 4 September 2015 concerning the Polish Classification of Goods and Services (PKWiU) polyethylene number is: 20.16.10.0

Good Manufacturing Practice

This product meets the requirements of COMMISSION REGULATION (EC) No 2023/2006 of 22 December 2006 on good manufacturing practice for materials and articles intended to come into contact with food.

Basell Orlen Polyolefins Sp. z o.o. was granted the Integrated Management System Certificate (IMS) in accordance with the following standards: ISO 9001, ISO 14001, PN-N-18001, OHSAS 18001 and PN-ISO/IEC 27001.

Furthermore Basell Orlen Polyolefins Sp. z o.o. has participated in the "Responsible Care" program since 2003. In Poland this program is supervised by the Polish Chamber of Chemical Industry (PIPC) associating manufacturers and distributors of chemical products.

REACH

This product does not contain any of the substances from Annex XIV (last updated: 13.06.2017) and from the Candidate List of Substances of Very High Concern for Authorisation (SVHC) (last updated: 15.01.2019) above the 0.1% as stated in the Regulation (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of

Basell Orlen Polyolefins Sp. z o.o., 09-400 Płock, ul. Ignacego Łukasiewicza 39, Poland
tel.: (48 24) 364 73 00, fax: (48 24) 364 73 01, e-mail: info@basellorlen.pl, www.basellorlen.pl

Registered in the National Court Register - Business Register by the District Court for Capital City of Warsaw, No. KRS: 0000143578
The Authorized Capital of the Company is 907 398 000,00 PLN, NIP: 774-27-45-992

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Chemicals (REACH) - determined either through non-use of the substance or mass balance calculation.

Furthermore in the production process of this product restricted substances in Annex XVII of the REACH Regulation (last updated: 17.12.2018) are not intentionally used. However, this product has not been tested for the content of these substances.

The lists of above-mentioned substances can be found on European Chemicals Agency (ECHA) website:

- list of substances of very high concern (SVHC):
<http://echa.europa.eu/web/guest/candidate-list-table>
- list of substances included in Annex XIV of the REACH Regulation:
<http://echa.europa.eu/web/guest/addressing-chemicals-of-concern/authorisation/recommendation-for-inclusion-in-the-authorisation-list/authorisation-list>
- list of restricted substances in Annex XVII of the REACH Regulation:
<http://echa.europa.eu/addressing-chemicals-of-concern/restrictions/list-of-restrictions>

Food Contact

Based on the tests results of samples of granules:

1. Overall migrations carried out according to EN 1186 under the following conditions:
 - a) 10% ethanol: 10 days, 40°C
 - b) 3% acetic acid: 10 days, 40°C
 - c) 95% ethanol: 10 days, 40°C
 - d) isooctane: 2 days, 20°C
2. Specific migrations carried out under the following conditions:
 - a) 10% ethanol: 10 days, 60°C
 - b) 3% acetic acid: 10 days, 60°C
 - c) 95% ethanol: 10 days, 60°C
 - d) isooctane: 10 days, 20°C (without PAA and oleamide)
3. Sensory analysis carried out according to DIN 10955:
 - a) water: 10 days, 40°C
 - b) 3% acetic acid: 10 days, 5°C
 - c) butter: 10 days, 5°C
 - d) chocolate: 10 days, 23°C

we confirm, that this product meets the requirements of:

REGULATION (EC) No 1935/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC.

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COMMISSION REGULATION (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food.

COMMISSION IMPLEMENTING REGULATION (EU) No 321/2011 of 1 April 2011 amending Regulation (EU) No 10/2011 as regards the restriction of use of Bisphenol A in plastic infant feeding bottles.

COMMISSION REGULATION (EU) No 1282/2011 of 28 November 2011 amending and correcting Commission Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food.

COMMISSION REGULATION (EU) No 1183/2012 of 30 November 2012 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food.

COMMISSION REGULATION (EU) No 202/2014 of 3 March 2014 amending Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food.

COMMISSION REGULATION (EU) 2015/174 of 5 February 2015 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food.

COMMISSION REGULATION (EU) 2016/1416 of 24 August 2016 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food.

COMMISSION REGULATION (EU) 2017/752 of 28 April 2017 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food.

COMMISSION REGULATION (EU) 2018/79 of 18 January 2018 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food.

COMMISSION REGULATION (EU) 2018/213 of 12 February 2018 on the use of bisphenol A in varnishes and coatings intended to come into contact with food and amending Regulation (EU) No 10/2011 as regards the use of that substance in plastic food contact materials

COMMISSION REGULATION (EU) 2018/831 of 5 June 2018 amending Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food

Specific Migrations

This product contains the following additives for which specific migration limits have been established:

- a) octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate (FCM nr: 433; ref. nr: 68320; CAS nr: 2082-79-3) SML = 6mg/kg
- b) zinc SML = 5 mg/kg

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c) primary aromatic amines (PAA) SML = 0,01 mg/kg. and oleamide (FCM: 335; ref. nr: 68960; CAS nr: 301-02-0) for which there was no SML limit established according to Table 1, Annex I of COMMISSION REGULATION (EU) No 10/2011 of 14 January 2011 with subsequent amendments.

Dual Use Additives

Dual use additives are not intentionally used in the manufacture or formulation of this product.

FDA

This product meets the requirements of Food and Drug Administration of the USA Code of Federal Regulations Title 21 § 177.1520 (c) Specifications: 2.1. Polyethylene for use in articles that contact food except for articles used for packing or holding food during cooking and 2.2. Polyethylene for use in articles used for packing or holding food during cooking (last updated: 06.04.2018).

Active and intelligent materials

Additives used in the manufacture of this product does not belong to the active and intelligent materials in accordance with the definitions in COMMISSION REGULATION (EC) No 450/2009 of 29 May 2009 on active and intelligent materials and articles intended to come into contact with food. However, this product has not been tested for the content of active and intelligent substances.

Allergens

Substances or products causing allergies or intolerances mentioned in Annex II to Regulation (EU) No 1169/2011 of the European Parliament and of the Council of 25 October 2011 on the provision of food information to consumers, amending Regulations (EC) No 1924/2006 and (EC) No 1925/2006 of the European Parliament and of the Council, and repealing Commission Directive 87/250/EEC, Council Directive 90/496/EEC, Commission Directive 1999/10/EC, Directive 2000/13/EC of the European Parliament and of the Council, Commission Directives 2002/67/EC and 2008/5/EC and Commission Regulation (EC) No 608/2004 - amended by:

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Commission Delegated Regulation (EU) No 1155/2013 of 21 August 2013 amending Regulation (EU) No 1169/2011 of the European Parliament and of the Council on the provision of food information to consumers as regards information on the absence or reduced presence of gluten in food

Commission Delegated Regulation (EU) No 78/2014 of 22 November 2013 amending Annexes II and III to Regulation (EU) No 1169/2011 of the European Parliament and of the Council on the provision of food information to consumers, as regards certain cereals causing allergies or intolerances and foods with added phytosterols, phytosterol esters, phytostanols or phytostanol esters

are not intentionally used in the manufacture or formulation of this product. However, this product has not been tested for the content of these substances.

Epoxy Derivatives

The following substances:

(a) 2,2-bis(4-hydroxyphenyl)propane bis(2,3-epoxypropyl) ether, hereinafter referred to as 'BADGE' (CAS No 001675-54-3), and some of its derivatives;

(b) bis(hydroxyphenyl)methane bis(2,3-epoxypropyl)ethers, hereinafter referred to as 'BFDGE' (CAS No 039817-09-9);

(c) other novolac glycidyl ethers, hereinafter referred to as 'NOGE'.

are not intentionally used in the manufacture or formulation of this product as stated in COMMISSION REGULATION (EC) No 1895/2005 of 18 November 2005 on the restriction of use of certain epoxy derivatives in materials and articles intended to come into contact with food. However, this product has not been tested for the content of these substances.

Proposition 65

In the production process of this product chemicals listed in Proposition 65 (last updated: 23.11.2018) as known to the State of California to cause cancer or reproductive toxicity are not intentionally used. However, this product has not been tested for the content of these substances. The current list can be found on the website:

www.oehha.ca.gov/prop65/prop65_list/Newlist.html

Pharmacopoeia

This product may not be used in medical and pharmaceutical applications.

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Packaging and Packaging Waste

This products meets the requirements of European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste under which the sum of concentration levels of lead, cadmium, mercury and hexavalent chromium should not exceed 100 ppm by weight.

RoHS

This product does not exceed the following limit values of heavy metals concentration:

- Lead – 0,1 %
- Mercury – 0,1 %
- Cadmium – 0,01 %
- Hexavalent chromium – 0,1 %
- Polybrominated biphenyls (PBB) – 0,1 %
- Polybrominated diphenyl ethers (PBDE) – 0,1 %
- Bis(2-ethylhexyl) phthalate (DEHP) (0,1 %)
- Butyl benzyl phthalate (BBP) (0,1 %)
- Dibutyl phthalate (DBP) (0,1 %)
- Diisobutyl phthalate (DIBP) (0,1 %)

in accordance with Annex II of DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment- amended by: COMMISSION DELEGATED DIRECTIVE (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances

Conflict Minerals

In the production process of this product Conflict Minerals mined from the Democratic Republic of Congo (DRC) or its adjoining countries, which are referred to as the DRC Countries are not intentionally used. However, this product has not been tested for the content of the above-mentioned Conflict Minerals.

The countries adjoining the DRC are those that share an internationally recognized border with the DRC. These are presently Angola, Burundi, Central African Republic, the Republic of Congo, Rwanda, South Sudan, Tanzania, Uganda, and Zambia, where proceeds of the mining activities have been used to finance armed militias committing atrocities in those war-torn countries.

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These Conflict Minerals include: gold, wolframite, cassiterite, coltan (columbite-tantalite) and their derivative metals, which include: tin, tungsten, and tantalum.

Drug precursors

The substances listed in Annexes I and II of REGULATION (EC) No 273/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 February 2004 on drug precursors are not intentionally used in the manufacturing of this product. However, this product has not been tested for the content of these substances- amended by:

COMMISSION DELEGATED REGULATION (EU) 2016/1443 of 29 June 2016 amending Regulation (EC) No 273/2004 of the European Parliament and of the Council and Council Regulation (EC) No 111/2005 as regards the inclusion of certain drug precursors in the list of scheduled substances.

Influence on the ozone layer

The substances listed in Annexes I and II to the Regulation (EC) No 1005/2009 of the European Parliament and Council Regulation of 16 September 2009 on substances that deplete the ozone layer are not intentionally used in the manufacturing of this product. However, this product has not been tested for the content of these substances.

Dyes and pigments

This product contains substance CAS number: 81-48-1

Mineral oils

This product contains mineral oil CAS number: 8042-47-5, which is in Table 1, Annex I (FCM: 95; nr ref: 95883), for which there was no SML limit established according to COMMISSION REGULATION (EU) No 10/2011 of 14 January 2011 with subsequent amendments.

Phthalates

Phthalates are not intentionally used in the production process of this product. However, this product has not been tested for the content of phthalates.

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Polycyclic aromatic hydrocarbons (PAHs)

This product meets the requirements of Commission Regulation (EU) No 1272/2013 of 6 December 2013 amending Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards polycyclic aromatic hydrocarbons.

Dioxins

Dioxins are not intentionally used in the production process of this product. However, this product has not been tested for the content of dioxins.

Nanotechnology

Nanotechnology is not used in the process of manufacturing of this product. However, this product has not been tested for the content of nanomaterials.

GMO

This product does not intentionally contain any genetically modified organisms. However, this product has not been tested for the content of genetically modified organisms.

Halal Certification

This product is not certified as Halal.

Kosher Certification

This product is not certified Kosher.

Restrictions

The information provided in this document are complied with the best state of Basell Orlen Polyolefins Sp. z o.o. knowledge as of the date of issue, however customers must make their own evaluation to establish if this product is suitable for particular applications.

It is responsibility, to whom this product is supplied concerning appropriate handling, processing, safe and legal use of this product.

Data Sheet of Compliance is valid 1 year from the date of issue, unless it is modified before.

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This product is under continuous development, that is why Basell Orlen Polyolefins Sp. z o.o. reserve the right to change the information presented in this document.

Basell Orlen Polyolefins Sp. z o.o. recommends customers to check the status of Data Sheet of Compliance frequently.

Basell Orlen Polyolefins Sp. z o.o. has no obligation to notify customers of changes of legal requirements.

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To check the status of this document or to receive more information about this product, please send inquiry to the following e-mail: PSInfo@basellorlen.pl

Approved by:

Director HSEQ

Basell Orlen Polyolefins Sp. z o.o.
Dyrektor
HSEQ
Andrzej Chrobąszcz

A handwritten signature in blue ink, appearing to read 'Andrzej Chrobąszcz', is written over the printed name and title.

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