

DECLARATION DATA SHEET

LOW DENSITY POLYETHYLENE BRALEN+ FB 08-50

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN+

The joint product portfolio of MOL Petrochemicals and Slovnaft provides infinite opportunities

EUROPEAN UNION FOOD CONTACT STATUS

COMMISSION 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 as amended, applicable to intermediate materials (e.g. plastic granules, plastic flakes).

COMMISSION REGULATION (EU) NO 10/2011 (OF 14 JANUARY 2011) ON PLASTIC MATERIALS AND ARTICLES INTENDED TO COME INTO CONTACT WITH FOOD and as amended and corrected, applicable to intermediate materials (e.g. plastic granules, plastic flakes). The monomers and additives used to produce this product are listed in the Union List of Authorizes substances of Regulation 10/2011/EC and subsequent amendments.

We draw your attention to the fact that the EU-Directive 10/2011/EC, which applies to all EU-Member States, includes a limit of 10 mg/dm² on the overall migration (OML) from finished food contact material or article. The OML and specific migration limites (SMLs, if applicable) should be determined according to the requirements specified in Regulation 10/2011/EC and subsequent amendments. Determination of OML and SML is the responsibility of the manufacturer of the finished plastic food contact material or article. In addition, we remind you that the manufacturers of the finished food contact material or article must verify that the finished material or article, manufactured according to good manufacturing practices, does not modify the organoleptic properties of the food. This product does not contain monomers, additives or components which have SMLs or QMAs as specified by Regulation 10/2011/EC.

Dual use additives are not intentionally used for production of this product.

Please note it is responsibility of both the manufacturers of finishing contact articles as well as the industrial food packers to make sure that these articles in their actual use are in compliance with requirements given by above mentioned regulations.

REGULATION (EC) No 2023/2006 (OF 22 DECEMBER 2006) ON GOOD MANUFACTURING PRACTICE FOR MATERIALS AND ARTICLES INTENDED TO COME INTO CONTACT WITH FOOD and as amended, applicable to intermediate materials (e.g. plastic granules, plastic flakes).

We declare that production of this product runs under established, implemented and observed effective and documented quality assurance system certified by ISO 9001, ISO 14001 and OHSAS 18001.

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US FOOD CONTACT FDA (FOOD AND DRUG ADMINISTRATION)

The base resin meets requirements given by FDA Title 21 CFR (Code of Federal Regulations) § 177.1520

Indirect food additives: Polymers: Olefin polymers (a)(2)(i) and (c) Specifications:

2.1. Polyethylene for use in articles that contact food except for articles used for packing or holding food during cooking

2.2. Polyethylene for use in articles used for packing or holding food during cooking

DUAL USE ADDITIVES

This grade contains Dual Use Additive: E551 Silicon Dioxide. The information provided concerning additives which are also food additives and flavouring is based on our current knowledge.

ALLERGEN STATEMENT - REGULATION (EU) No 1169/2011 (OF 25 OCTOBER 2011) ON THE PROVISION OF FOOD INFORMATION TO CONSUMERS

The food ingredients, substances or products causing allergies or intolerances listed in Annex II of Regulation (EU) No 1169/2011 are not intentionally added in the manufacture of or the formulation of this product. However, this product has not been tested for presence of the above mentioned substances, food ingredients.

TALLOW AND ITS DERIVATES (BSE/TSE), ANIMAL BASED MATERIALS

Tallow derived components and components based on animal origin are not used in the manufacture of or the formulation of this product.

NANOMATERIALS

Nanomaterials defined as natural, incidental or manufactured materials containing particles in an unbound state or as an aggregate or as an agglomerate and where for 50% or more of the particles in the number of size distribution, one or more external dimensions is in the size range (1-100) nm are not used in the production of or the formulation of this grade. However, this product has not been tested for presence of these chemical substances.

PHTHALATES

Phthalates are not used in the manufacture of or formulation of this product. However, this product has not been tested for presence of phthalates.

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CONFLICT MINERALS

Conflict minerals, which contain columbite-tantalite (coltan), cassiterite, gold, wolframite and their derivative metals like sources of tin, tungsten and tantalum mined from the Democratic Republic of Congo (DRC) or its adjoining countries (DRC Countries: Angola, Burundi, Central African Republic, the Republic of Congo, Rwanda, South Sudan, Tanzania, Uganda, Zambia) are not used in polymerization process during the production of this product.

DIRECTIVE 94/62/EC (OF 20 DECEMBER 1994) ON PACKAGING AND PACKAGING WASTE

Based on the available documentation from raw materials suppliers and test results, this grade complies with the Directive 94/62/EC and its following amendments concerning the defined limits of heavy metals.

DIRECTIVE 2011/65/EC (OF 8 JUNE 2011) ON THE RESTRICTION OF THE USE OF CERTAIN HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS)

RoHS regulation refers to electrical and electronic equipment and not specifically to plastic raw material. Based on the available documentation from raw materials suppliers, this product complies with the Directive 2011/65/EC concerning the limits of heavy metals like cadmium, lead, mercury, hexavalent chromium (Cr^{VI}); polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE).

We do not intentionally add substances above the limits stated in COMMISSION DELEGATED DIRECTIVE (EU) 2015/863 (of 31 March 2015) amending Annex II to DIRECTIVE 2011/65/EU (RoHS) of the European Parliament and of the Council as regards the list of restricted substances in electrical and electronic equipment.

DIRECTIVE 2000/53/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (OF 18 SEPTEMBER 2000) ON END-OF LIFE OF VEHICLES

Heavy metals like cadmium (Cd), lead (Pb), mercury (Hg), hexavalent chromium (Cr^{VI}) and their compounds restricted by Directive 2000/53/EC are not intentionally incorporated into this polymer during production.

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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

BADGE, BFDGE and NOGE are not intentionally added in this product. However, this product has not been tested for presence of these chemical substances:

- 2,2-bis(4-hydroxyphenyl)propane bis(2,3-epoxypropyl) ether, referred to as 'BADGE'
(CAS No: 001675-54-3)
- bis(hydroxyphenyl)methane bis(2,3-epoxypropyl)ethers, referred to as 'BFDGE'
(CAS No: 039817-09-9)
- other novolac glycidyl ethers, referred to as 'NOGE'

CEN STANDARDS EN 71-3 AND EN 71-9

CEN EN Standards refer to safety of toys and not specifically to plastic raw materials. According to the information provided by our raw material suppliers, we deem this grade should comply with the requirements of CEN Standards EN 71-3 and EN 71-9 as amended as applicable to plastic raw materials (pellets, flakes, granules).

This grade was tested according to EN 71-3 and meets requirements of migration limits of certain elements, which shall not be exceeded in scraped-off toy material defined by Annex II, III. Chemical properties, point 13. of Directive 2009/48/EC 10/2011 of 18th June 2009 on the safety of toys.

However, this product has not been tested according to standard EN 71-9.

REGULATION (EC) No 1005/2009 (OF 16 SEPTEMBER 2009) ON SUBSTANCES THAT DEplete THE OZONE LAYER

The ozone depleting substances (ODS) listed in the Annex I and Annex II of the Regulation (EC) No 1005/2009 are not intentionally used in the manufacture or formulation of this product.

KOSHER AND HALAL CERTIFICATION

This product is not Kosher- and Halal-certified.

CEN STANDARD EN 13432

This product is not suitable for composting.

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OTHER CHEMICAL ELEMENTS AND SUBSTANCES

Chemical elements and substances listed below are not used and not intentionally added during manufacturing or in the formulation of this product and therefore they are not expected to be present in this product. However, this product has not been tested for presence of below mentioned elements and substances.

- Acrolein (2-propenal) [CAS No: 107-02-8]
- Acrylamide [CAS No : 79-06-1]
- Alkylphenols
- Alkylphenolphosphates
- Aromatic Amines (restricted by Directive 2002/61/EC)
- Asbestos [Chryolite CAS No: 12001-29-5, Amosite CAS No: 12172-73-5, Anthophyllite CAS No: 77536-67-5, Actinolite CAS No: 77536-66-4, Tremolite CAS No: 77536-68-6]
- Azocolorants, azodyes
- 2-(2H-benzotriazol-2-yl)-4,6-di-tert-butylphenol [CAS No: 3846-71-7]
- Benzophenone [CAS No: 119-61-9]
- Bisphenol A (BPA) [CAS No: 80-05-7]
- Bisphenol A diglycidyl ether (BADGE) [CAS No: 1675-54-3]
- Bisphenol F diglycidyl ether (BFDGE) [CAS No: 2095-03-6]
- Butylated Hydroxytoluene (BHT) [CAS No: 128-37-0]
- Butylated Hydroxyanisole (BHA) [CAS No: 25013-16-5 and 121-00-6]
- Chlorinated paraffins, short chain chlorinated paraffins (SCCPs)
- Cyanuric acid (CYA) [CAS No: 108-80-5]
- Dimethylfumarate [CAS No: 624-49-7]
- Dioxin [CAS No: 290-67-5] and its derivatives
- Epichlorohydrin (ECH) [CAS No: 106-89-8]
- Fluorocarbons
- Fluoroelastomers
- Fluorotelomers
- Formaldehyde [CAS No: 50-00-0]
Note: Formaldehyde in specific conditions could be formed during the resin processing
- Halogenated Flame Retardants
- Gold (Au) [CAS No:7440-57-5]

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- Melamine [CAS No: 108-78-1]
- 2-mercaptobenzothiazole (MBT) [CAS No: 149-30-4]
- Nonylphenol [CAS No: 25154-52-3 and 84852-15-3]
- Nonylphenol ethoxylates
- Novolac glycidyl ether
- Organotin compounds
- Perfluorochemicals (PFCs)
- Perfluorooctanoic acid (PFOA) [CAS No: 68141-02-6]
- Perfluorooctanesulfonic acid (PFOS) [CAS No: 1763-23-1]
- Polychlorinated Biphenyls (PCBs)
- Polybrominated Biphenyls (PBBs)
- Polychlorinated Terphenyls (PCTs)
- Polybrominated Diphenyl Ethers (PBDEs)
- Polybrominated Terphenyls (PBTs)
- Polychlorinated Naphthalenes (PCNs)
- Polycyclic aromatic hydrocarbons (PAHs):
 - Acenaphthylene [CAS No: 208-96-8]
 - Anthracene [CAS No: 120-12-7]
 - Benz(a)anthracene [CAS No: 56-55-3]
 - Benzo(a)pyrene [CAS No: 50-32-8]
 - Benzo(b)fluoranthene [CAS No: 205-99-2]
 - Benzo(e)pyrene [CAS No: 192-97-2]
 - Benzo(ghi)perylene [CAS No: 191-24-2]
 - Benzo(j)fluoranthene [CAS No: 205-82-3]
 - Benzo(k)fluoranthene [CAS No: 207-08-9]
 - Chrysene [CAS No: 218-01-9]
 - Dibenz(a,h)anthracene [CAS No: 53-70-3]
 - 1,2-dihydro-acenaphthene [CAS No: 83-32-9]
 - Fluoranthene [CAS No: 206-44-0]
 - 9H-Fluorene [CAS No: 86-73-7]
 - Indeno(1,2,3-cd)pyrene [CAS No: 193-39-5]
 - Naphthalene [CAS No: 91-20-3]
 - Phenanthrene [CAS No: 85-01-8]

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- Pyrene [CAS No: 129-00-0]
- Polystyrene resin
- Polyvinyl chloride (PVC) [CAS No : 9002-86-2]
- Polyvinylidene chloride (PVDC) [CAS No: 9002-85-1]
- Radioactive substances
- Radon (Rn) [CAS No: 10043-92-2]
- Styrene [CAS No: 100-42-5]
- Sulphur dioxide [CAS No: 7466-09-5]
- Tin oxide, Cassiterite [CAS No: 8062-08-6]
- Triclosan [CAS No: 3380-34-5]
- Tris(2-nonylphenyl) phosphite (TNPP) [CAS No: 26523-78-4]
- Vinyl Chloride [CAS No: 75-01-4]
- Wolframite, Tungsten (W) [CAS No: 1332-08-7]

DISCLAIMER

The information provided in this publication has been compiled to the best of our present knowledge as of the date of publication however SLOVNAFT Plc., as supplier of this product does not assume any liability whatever for the accuracy and completeness of such information.

It is the responsibility of those to whom we supply this product to inspect and test our products in order to satisfy itself as to the suitability of this product for particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of this product.

This product is under continuous development, therefore we reserve the right to change the information presented in this publication at our own discretion. It is the responsibility of those to whom we supply this product to check and to download the newest Declaration Data Sheet on www.slovnaft.sk website.

This Declaration Data Sheet has been generated from the data of our quality database and does not require a signature. If you need a copy of signed Declaration Data Sheet please contact our Technical Service E-mail: polymerservice@slovnaft.sk / Tel: + 421 2 5859 7250, + 421 2 5859 7257).

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