

# DECLARATION DATA SHEET

## Polypropylene TIPPLEN H 145 F

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN+

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### GENERAL PROPERTIES

Characteristics: Homopolymer polypropylene granulate intended for low denier staple fibres.  
Used monomer: propylene (CAS No.: 115-07-1)  
Used comonomer: not used  
Applied catalyst system: non-phthalate Ziegler-Natta  
License: LyondellBasell  
Manufacturer: MOL Petrochemicals Co. Ltd./ TISZAÚJVÁROS  
Shelf life: The guarantee period is 6 months and starts to lapse on the day of delivery of goods to Buyer.

### FOOD CONTACT APPLICATION

#### EUROPEAN UNION FOOD CONTACT STATUS

This product complies with the relevant requirements of:

#### **Commission Regulation (EC) No 1935/2004**

The organoleptic characteristics of food contact materials are influenced by converting conditions, time and temperature of storage and type of food, therefore compliance with article 3 §1,c must be verified and tested by the producer of the final packaging material.

**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 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 so that, under normal or foreseeable conditions of use, its constituents cannot transfer to food in quantities which could endanger human health or bring about an unacceptable change in the composition of the food or bring about deterioration in the organoleptic properties. We fulfil the general rules on GMP as laid down in the above-mentioned commission regulation (EC) No. 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food. Moreover, we declare that our production process is in harmony with requirements of Directive 1999/92/EC (of 16 December 1999) on minimum requirements for improving the safety and health protection of workers potentially at risk from explosive atmosphere.

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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 and its amendments such as 1282/2011/EC (of 28 November 2015), 1416/2016/EC (of 24 August 2016), 2017/752 EC (of 28 April 2017), 2018/79 (of 18 January 2018), 2018/213/EC (of 12 February 2018), 2018/831/EC (of 5 June 2018) and 2019/37 (of 10 January 2019) (applies to all EU-Member States)**

The monomers and additives used in our production are listed in the Union List of Authorized substances of Regulation 10/2011/EC ANNEX I.

Based on migration experiments with test samples made of this polymer and carried out in the presence of the standard food simulants A (10% ethanol), B (4% acetic acid) and D2 (olive oil) at 40°C during 10 days, it is our experience that under these conditions overall migration limits are not exceed 10 mg/dm<sup>2</sup>. Furthermore we declare that this product does not release substances in detectable quantity listed in 10/2011/EC ANNEX II.

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/dm<sup>2</sup> on the overall migration (OML) from finished food contact material or article. In accordance with EU-Directive 10/2011/EC the OLM and specific migration limits (SMLs, if applicable) should be measured on finished articles placed into contact with the foodstuff or appropriate food simulants for a period and at the temperature which are chosen by reference to the contact conditions in actual use according to the rules laid down in EU-Directives 97/48/EC (amending 82/711/EEC) and 85/572/EEC.

### **Specific Migration Limit (SML) requirements according to Commission Regulation (EU) No 10/2011**

During production of above mentioned product we use a processing aid (CAS No.: 97925-95-6, FCM No.:19-20), use a special catalyst, one component of this catalyst (CAS No.: 182121-12-6; FCM No.:779) and use antioxidant additive (CAS No.: 65140-91-2; FCM No.:715) according to EU-Directive 10/2011/EC Annex I.

Based on migration experiments with test samples made of this polymer we confirm that specific migration limits of Metals and PAA in simulant A (4% acetic acid), at 60°C/10 days meet requirements given by COMMISSION REGULATION (EU) No 10/2011 of 14 January 2011 ANNEX II.

### **Commission Regulation (EU) No 2020/1245 (of 2 September 2020) amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food**

Substances restricted by Annex II of Commission Regulation (EU) 10/2011 as amended by Commission Regulation (EU) 2020/1245 are not intentionally added into the product and do not migrate above the specified migration limits.

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### Dual Use Additives

The information provided concerning additives which are also food additives and flavoring is based on our current knowledge. Ca-stearate (CAS No.:1592-23-0, Ref. No.: 89040 Ca-salts) as E 470a used max. 600 ppm, glyceril-mono-stearate (Ref. No.: 56585) as E 471 used max. 400 ppm.

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 the imposed overall migration requirements.

### **Commission Regulation (EU) No 1169/2011 of the European Parliament and of the Council (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**

We certify, that during manufacturing of this product, we do not use or intentionally incorporate into this product, any of the substances listed in this regulation. Therefore it is not reasonable to expect any of such substances to be present in this product.

Food allergens:

- peanuts, tree nuts (almonds, brazil nuts, chestnuts, filberts, hazelnuts, hickory nuts, macadamia nuts, pecans, pine nuts, pistachios, walnuts)
- milk and products thereof (including lactose)
- eggs
- soybeans
- shellfish
- crustaceans (shrimps, crabs, scallops, crayfishes, lobsters, oysters)
- molluscs (snails, squids, octopi, clams) and mollusc products
- sulphites
- food colourants
- celery and celery products
- wheat (gluten) and wheat products
- seeds (cotton, poppy, sesame, sunflower, mustard) and seed products
- aspartame
- monosodium glutamate (MSG)
- caffeine
- hydrogenated vegetable protein (HVP)
- grains (barley, oats, rye)
- lupine and lupine products

However, this product has not been tested for presence of above mentioned substances.

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### **Directive 2007/68/EC (of 27 November 2007) amending Annex IIIa to Directive 2000/13/EC regarding certain food ingredients (Allergens)**

We certify, that during manufacturing of this product, we do not use or intentionally incorporate into this product, any of the substances which are listed in ANNEX IIIa of this directive. Therefore it is not reasonable to expect any of such substances to be present in this product. However, this product has not been tested for these chemical substances.

Note: 2000/13/EC, 2003/89/EC, 2006/142/EC has been amended by 2007/68/EC.

### **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**

- 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'

are not used in manufacturing of this product, therefore it is not reasonable to expect any of such substances to be present in this product. However, this product has not been tested for presence of these chemical substances.

### **MOH, MOSH, MOAH, POH, POSH, POAH, POMH statement according to Commission Recommendation (EU) No 2017/84 (of 16 January 2017) on the monitoring of mineral oil hydrocarbons in food and in materials and articles intended to come into contact with food**

Mineral oil hydrocarbons (MOH), Mineral oil saturated hydrocarbons (MOSH), mineral oil aromatic hydrocarbons (MOAH), polyolefin oligomeric saturated hydrocarbons (POSH) and polyolefin oligomeric aromatic hydrocarbons (POAH) are not used as direct additives. Polyolefin oligomeric hydrocarbons (POH) are present in polymer and represent the low molecular weight fraction.

However, we use white oil and vaselin as processing aids. This product has not been tested for these chemical substances.

### **Substances of animal origin**

We declare, that during manufacturing of this product we use animal origin substances.

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### Tallow and its derivatives (BSE/TSE)

The concerns relative to BSE/TSE in the context of plastic materials used in contact with food are linked to the use of additives of animal origin: tallow derivatives. Above mentioned polymer is not TSE/BSE dangerous product.

### GMO (GENETICALLY MODIFIED SUBSTANCES)

We declare that during manufacturing of this product we do not intentionally add genetically modified substances.

### Kosher and Halal certification

This product is not Kosher and Halal certified. We certify, that during manufacturing of this product, we do not use or intentionally incorporate into this product ethanol and porcines.

### BfR (Bundesinstitut für Risikobewertung) VII. Polypropylene

This product meets requirements given by BfR (Bundesinstitut für Risikobewertung), VII. Polypropylene Recommendation for the materials intended to come into contact with food.

### Swiss Ordinance

We confirm that the above mentioned product complies with Swiss ordinance 817.023.21. During production of above mentioned product we use a processing aid with SML=1,2 mg/kg (CAS No.: 97925-95-6, alkoxylated amine), use a special catalyst, one component of this catalyst with SML = 0,05 mg/ kg (CAS No.: 182121-12-6) and use an antioxidant additive with SML = 6 mg/kg (CAS No.: 65140-91-2) according to Swiss ordinance 817.023.21. (last amendment at 1 December 2020).

Considering the above matter-of-fact it is not reasonable to expect any of such substances to be present in above mentioned product.

However this product has not been tested specifically to comply with Swiss guideline 817.023.21.

### US FOOD AND DRUG ADMINISTRATION (FDA)

The base resin corresponds requirements given by FDA Title 21 CFR (Code of Federal Regulations) § 177.1520 Indirect food additives: Polymers: Olefin polymers (a)(1)(i):

Polypropylene homopolymer consists of basic polymers manufactured by the catalytic polymerization of propylene, (c) Specifications 1.1.a.

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### FOOD CONTACT CHINA

We declare that the above mentioned product, based on its recipe is compliant with the requirements for Chinese food contact standard:

- GB 4806.6-2016: Plastic Resins Used in Food Contact
- GB 4806.7-2016: Food Contact Used Plastic Materials and Products
- GB 9685-2016: National Food Safety Standard
- GB 9685-2016: Standard for Uses of Additives in Food Contact Materials and Their Products

Additionally, this product does not contain any SML specified monomer or other starting substances, however we use antioxidant additive with SML = 6 mg/kg (CAS No.: 65140-91-2) according to these requirements.

### FOOD CONTACT JAPAN

We declare that under the Positive List System for Food Utensils, Containers and Packaging of the Food Sanitation Law of Japan from 28 April 2020:

- Used polymer matrix is listed in Table 1 (list of polymers) and can be used in all food contact applications.
- One component of the used additives (CAS No.:85251-77-0) is not listed in the Table 2 (list of additives), and the other intentionally added polymer additives are listed in Table 2 (list of additives) and are present in the final product in concentrations not exceeding the specified limits.

### MERCOSUR REGULATION

As the producer of this grade we confirm that this product is in compliance with the following Mercosur standards:

MERCOSUR/GMC/RES. No. 02/12 MERCOSUR TECHNICAL REGULATION ON POSITIVE LIST OF MONOMERS, OTHER STARTING SUBSTANCES AND POLYMERS AUTHORIZED FOR THE MANUFACTURE OF FOOD-CONTACT PLASTIC PACKAGING AND EQUIPMENT

During the production of above mentioned grade we do not use any SML specified monomer or other starting substances.

MERCOSUR/GMC/RES. N° 39/19 MERCOSUR TECHNICAL REGULATION ON THE POSITIVE LIST OF ADDITIVES FOR THE PREPARATION OF PLASTIC MATERIALS AND POLYMERIC COATINGS THAT COME INTO CONTACT WITH FOOD (REPEAL OF GMC RESOLUTION No. 32/07)

During production of above mentioned product we use a special catalyst, one component of this catalyst with SML = 0,05 mg/ kg (CAS No.: 182121-12-6) and use a processing aid with SML=1,2 mg/kg

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(CAS No.: 97925-95-6, alkoxyated amine) and an antioxidant additive with SML = 6 mg/kg (CAS No.: 65140-91-2) according to MERCOSUR/GMC/RES. N° 39/19.

However, this product has not been tested according to these standards.

### **Brazilian Mercosur**

We confirm that this product is in compliance with the Brazilian standards:

- Resolution No. 56 of 16 November 2012, provides on the positive list of monomers, other initiators and polymers authorised for the preparation of plastic packaging and equipment in contact with food
- Resolution - RDC No. 17 of 12 January 2008 provides on technical regulation on positive list of additives for plastic materials for the development of packaging and equipment in contact with foods

However, this product has not been tested according to these standards.

## **ADDITIONAL COMPLIANCE**

### **U.S. Environmental Protection Agency's Toxic Substances Control Act (TSCA) Inventory**

During the production of above mentioned product we use such substances which are not listed in U.S. Environmental Protection Agency's Toxic Substances Control Act (TSCA) Inventory, these substances are the following: one component of the used catalyst sytem, this component is the CAS No.:182121-12-6 and use a processing aid, this aid is CAS No.: 97925-95-6, alkoxyated amine.

### **WEEE**

We declare that this product is not classified as electric and electronic equipment (EEE) by DIRECTIVE 2012/19/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on waste electrical and electronic equipment (WEEE). However, the substances, mixtures and components specified for selective treatment in ANNEX VII of this regulation are not intentionally added into this product or are not a part of this product.

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### Regulation (EC) No 1272/2008 (of 16 December 2008) on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006 CLP – Classification, Labelling and Packaging regulation

This product is not classified as dangerous substance according to the Directive 67/548/EEC and 1999/45/EC, Legal Act of National Council of HU No. 2000/XXV. Law, Publication date: 26/04/2000, Reference: (MNE(2003)54491) During production of this product we do not intentionally use any carcinogenic, mutagenic or toxic substances (CMR substances) in accordance with EC 1272/2008.

Furthermore, this product is not reprotoxic.

During production of this product we do not intentionally use any carcinogenic, mutagenic or toxic and reprotoxic substances (CMR substances) in accordance with EC 1272/2008.

Note(1): 78/631/EEC; 88/379/EEC; 89/178/EEC; 90/492/EEC; 93/18/EEC; 96/65/EC has been repealed by Directive 1999/45/EC acc.to ANNEX VIII.

Note(2): 67/548/EEC and 1999/45/EC will be repealed by Directive 1272/2008/EC (16 Dec 2008) with effect from 1 June 2015.

### European Parliament and Council Directive 94/62/EC (of 20 December 1994) on packaging and packaging waste and its amendments 2005/20/EC and 2013/2/EU

Based on the available documentation from raw materials suppliers and test results, this grade complies with the Directive 94/62/EC and it's following amendments concerning the defined limits of heavy metals. This product meets requirements of less than 100 ppm for total incidental cadmium, lead, mercury, hexavalent chromium (CrVI). In addition, this product has the potential to be recycled according to these requirements.

### Declaration of Code of Federal Regulations title 16 chapter II. Consumer product safety commission part 1500 (Hazardous substances and Articles)

This product is not classified as hazardous substance (see § 1500.3 Definitions). Waste of this product is not hazardous and can be re-processed by recycling and reused as raw material.



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### Directive 76/768/EEC of 27 July 1976 on the approximation of laws of the Member States relating to cosmetic products

We certify that during manufacturing of this product we do not use or intentionally incorporate into this product any of chemicals listed in ANNEX II and ANNEX III part 1 of this Directive. Therefore, it is not reasonable to expect any of such substances to be present in this product. However, this product has not been tested for presence of these chemical substances.

### Regulation (EC) No 1223/2009 of the European parliament and of the council of 30 November 2009 on cosmetic products

We confirm that this polymer meets requirements of Regulation No 1223/2009/EC. However, this product has not been tested according to requirements of Regulation (EC) 1223/2009.

### Directive 76/769/EEC (of 27 July 1976) relating to restrictions on the marketing and use of certain dangerous substances and preparations and its amendments

Polychlorinated biphenyls (PCB) and Polychlorinated ter-phenyls (PCT) are not used in our production technologies and they are not intentionally incorporated into this polymer mentioned by EU-Directive 76/769/EEC. However, this product has not been tested for these chemical substances.

Note: Directive 76/769/EEC is superseded by Annex XVII of the REACH Regulation 1907/2006/EC - restrictions on the manufacturing, placing on the market and use of certain dangerous substances, preparations and articles.

### Regulation (EC) No 1005/2009 of the (16 September 2009) on substances that deplete the ozone layer ODS (Ozone Depleting Substances such as CFC's, HCFC's, Halons, CCl4, Trichloroethane, HBFC's)

We certify, that during manufacturing of this product, we do not intentionally incorporate into this product, any of the chemicals as restricted by this regulation. According to this fact it is not reasonable to expect any of such substances to be present in this product. However, this product has not been tested for these chemical substances.

Note: Directive 2037/2000 EEC is repealed with effect from 01 January 2010.

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Regulation (EC) No 2019/1021 (of 20 June 2019) on persistent organic pollutants and its amendments: Regulation (EU) No 2015/2030 (of 13 November) and Regulation (EU) No 2016/460 (of 30 March 2016)

We declare that during manufacturing of this product we do not intentionally incorporate into this product any of the chemicals restricted by ANNEX I – IV. of this regulation (see table below). According to this fact it is not reasonable to expect any of such substances to be present in this product.

Substance	CAS No
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	85535-84-8
Aldrin	309-00-2
Chlordane	57-74-9
Dieldrin	60-57-1
Endrin	72-20-8
Heptachlor	76-44-8
	68631-49-2
Hexabromodiphenyl ether and heptabromodiphenyl ether	207122-15-4
	446255-22-7
	207122-16-5
Decabromodiphenyl ether (c-decaBDE)	1163-19-5
Hexachlorobutadiene (HCBD)	87-68-3
Alpha and beta hexachlorocyclohexane	319-84-6
	319-85-7
Pentachlorobenzene (PeCB)	608-93-5
Hexachlorobenzene (HCB)	118-74-1
Mirex	2385-85-5
Toxaphene	8001-35-2
Polychlorinated Biphenyls (PCB)	1336-36-3 and others
Polychlorinated naphthalenes	70776-03-3 and others
DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl) ethane)	50-29-3
Chlordecone	143-50-0
	87-86-5
	131-52-2
Pentachlorophenol and its salts and esters	27735-64-4
	3772-94-9
	1825-21-4
Hexabromobiphenyl	36355-01-8
Hexachlorocyclohexanes, including lindane	608-73-1, 58-89-9

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Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	-
Hexabromocyclododecane and its diastereoisomers (alpha-hexabromocyclododecane, beta-hexabromocyclododecane, gamma-hexabromocyclododecane)	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8
Technical endosulfan and its related isomers	959-98-8 115-29-7 33213-65-9
Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)	5436-43-1 60348-60-9
Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) and others	1763-23-1 307-35-7
Tetrabromodiphenyl ether	40088-47-9
Pentabromodiphenyl ether	32534-81-9
Hexabromodiphenyl ether	36483-60-0
Heptabromodiphenyl ether	68928-80-3

However, this product has not been tested for presence of above mentioned substances.

### Directive (EU) 2019/904 of the European Parliament and of the Council (of 5 June 2019) on the reduction of the impact of certain plastic products on the environment

We declare that this product complies with the requirements of Directive (EU) 2019/904 of the European Parliament and of the Council (of 5 June 2019) on the reduction of the impact of certain plastic products on the environment.

We confirm that during the manufacturing, we do not use intentionally that include additives which, through accelerate the oxidation, lead to the fragmentation of the plastic material into micro-fragments or to chemical decomposition according to the requirements DIRECTIVE (EU) 2019/904.

However, this product has not been tested according to this directive.

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### Directive 2005/84/EC relating to restrictions on the marketing and use of phthalates in toys and childcare articles

Phthalates such as DEHP, DBP, BBP, DINP, DIDP, DNOP are not used intentionally in manufacturing of this product and therefore are not expected to be present in this polymer. This polymer corresponds with Directive 2005/84/EC of the European Parliament and of the Council of 14 December 2005.

Other Phthalates listed below are not in used intentionally in manufacturing of and therefore are not expected to be present in this polymer. However, this product has not been tested for these chemical substances.

- Di-benzyl phthalate
- Di-methyl phthalate
- Di-ethyl phthalate (DEP)
- Di-cyclo-hexyl phthalate (DCHP)
- Di-methoxyl-ethyl phthalate (DMEP)
- Di-methyl-cyclo-hexyl phthalate (DMCHP)
- Other phthalates

### Directive No 2011/65/EC (of 8 June 2011) on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS and RoHS 2) and Commission delegated Directive (EU) No 2015/863 (of 31 March 2015) amending Annex II to Directive No 2011/65/EU (RoHS 3).

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 Directives concerning the limits of heavy metals and substances mentioned in table below. Heavy metals and chemical substances restricted by these directives are not incorporated into this polymer intentionally during the production. However, this product has not been tested according to specific requirements of Directive No 2011/65/EC.

Note: 2002/95/EC has been repealed by Directive 2011/65/EC (8 June 2011) with effect from 3 January 2013.

Substance/Element	Limit [%]	CAS No
Lead (Pb)	0,1	7439-92-1
Cadmium (Cd)	0,01	7440-43-9
Hexavalent chromium (Cr <sup>VI</sup> )	0,1	18540-29-9
Mercury (Hg)	0,1	7439-97-6
Polybrominated biphenyls (PBB)	0,1	-

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Polybrominated diphenyl ethers (PBDE)	0,1	-
Bis(2-ethylhexyl) phthalate (DEHP)	0,1	117-81-7
Butyl benzyl phthalate (BBP)	0,1	85-68-7
Dibutyl phthalate (DBP)	0,1	84-74-2
Diisobutyl phthalate (DIBP)	0,1	84-69-5

### Directive No 2000/53/EC (of 18 September 2000) on End-of-Life Vehicles (ELV)

Heavy metals like cadmium, lead, mercury, hexavalent chromium (CrVI) and their compounds restricted by this regulation are not incorporated into this polymer intentionally during production. However, this product has not been tested according to specific requirements of Directive No 2000/53/EC.

### GADSL (Global Automotive Declarable Substance List)

Hereby following substances are listed below which are indicated in Global Automotive Declarable Substance List (2021 GADSL v1.0, Released 01.02.2021) and they are present in this polymer product: There are not GADSL substances in the formulation of this product.

Note: In Aug 2005, VDA list of VDA 232-101 regulation (VDA = Verband der Automobilindustrie) has been replaced by the GADSL.

### Directive 2003/11/EC (6 February 2003) on the marketing and use of certain dangerous substances and preparations (pentabromodiphenyl ether, octabromodiphenyl ether)

Dangerous substances pentaBDE (pentabromodiphenyl ether) and octaBDE (octabromodiphenyl ether) are not used in manufacturing of this product. Therefore it is not reasonable to expect any of such substances to be present in this product. However, this product has not been tested for these chemical substances.

### Directive No 2009/48/EC (of 18 June 2009) on the safety of toys and CEN standards EN 71-3 and EN 71-9

CEN Standard EN 71-3 and EN 71-9 refer to safety of toys and not specifically to plastic raw material. We confirm that we do not intentionally add substances listed in EN 71-9, Tables 2 A-I. According to this fact it is not reasonable to expect any of such substances to be present in this product. However, this product has not been tested for presence of these chemicals.

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We certify, that during manufacturing of this product, we do not intentionally incorporate into this product, any of the chemicals as restricted by 2009/48/EC ANNEX II. Part III. Chemical properties Tables 11 and 13. According to this fact it is not reasonable to expect any of such substances to be present in this product.

This product was tested according to EN 71-3 and meets the 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 of 18th June 2009 on the safety of toys.

### **BIFMA (Business and Institutional Furniture Manufacturers Association) declaration**

We certify, that during manufacturing of this product, we do not intentionally incorporate into this product, any of the chemicals as listed by BIFMA e3-2008 Furniture Sustainability Standard ANNEX B (Chemicals of concern list). According to this fact it is not reasonable to expect any of such substances to be present in this product. However, this product has not been tested for these chemical substances.

### **Nanomaterials and Nanotechnology**

We certify that during manufacturing of this product, we do not use nanotechnology or any nanomaterials defined in Commission Recommendation 2011/696/EU (of 18 October 2011) on the definition of nanomaterial.

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 or the formulation of this grade. However, this product has not been tested for presence of these chemical substances.

### **CEN standard EN 13432**

This product is not suitable for composting.

### **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

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Republic of Congo, Rwanda, South Sudan, Tanzania, Uganda, Zambia) are not used in polymerization process during the production of this product.

### DECLARATION OF OTHER CHEMICAL ELEMENTS

As a producer of this product we confirm that during production of this product we do not use below mentioned elements and their derivatives therefore are not expected to be present in this product. However, this product has not been tested for the presence of these elements.

- Antimony (Sb)
- Arsenic (As)
- Conflict minerals: Gold (Au), Tantalum (Ta), Tin (Sn), Tungsten (W)
- Halogens ( fluor, brom, iod )
- Phosphorous (yellow and red)
- Rare Earth Elements
- Selenium (Se)
- Sulphur (S)
- Uranium (U)

We have to call your attention that this product may contain chlorine compounds in negligible quantities (<100ppM).

### DECLARATION OF OTHER SUBSTANCES

We certify, that during manufacturing of this product, we do not intentionally incorporate into this product any of the chemicals which are listed below and therefore they are not expected to be present in this product. However, this product has not been tested for these chemical substances.

- Acetyl Acetone (ACAC) [CAS No. 123-54-6]
- 7-acetyl-6-ethyl-1,2,3,4-tetrahydro-1,1,4,4-tetramethylnaphthalene [CAS No. 88-29-9]
- Acenaphtylene [CAS No. 208-96-9]
- Acetaldehyde [CAS No. 75-07-0]
- Acenaphthene [CAS No. 83-32-9]
- Acetyl tributyl citrate [CAS No. 77-90-7]
- 4-Aminobiphenyl [CAS No. 92-67-1] and its salts
- Acrolein (2-propenal) [CAS No. 107-02-8]
- Anthracen [CAS No. 120-12-7]
- Antrachinon [CAS No. 84-65-1]
- Acrylamide [CAS No. 79-06-1]
- Adipates

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- Alcohols
- Alcoholic derivatives
- Aliphatic Sulphonate Compounds
- Aromatic Amines (restricted by Directive 2002/61/EC)
- Amonium Nitrate [CAS No. 6484-52-2]
- 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]
- Acrylonitrile [CAS No. 107-13-1]
- Alkylphenols
- Alkyl phenol Ethoxylates (APE)
- Alkylphenolphosphates
- Anthracene [CAS No. 120-12-7]
- Anthraquinone [CAS No. 84-65-1]
- Artificial musks
- Azocolourants (restricted by Directive 2002/61/EC), azodyes
- Azodicarbonamide [CAS No. 123 -77-3]
- Barium derivatives
- Benzalkonium chloride (BAC)
- Benzene [CAS No. 71-43-2]
- Benzidine [CAS No. 92-87-15] and its salts
- Benzoic Acid [CAS No. 65-85-0]
- Benzo[a]pyren (BaP) [CAS No. 50-32-8]
- Benzo[a]anthracene [CAS No. 56-55-3]
- Benzo[b]fluoranthene [CAS No. 205-99-2]
- Benzo[k]fluoranthene [CAS No. 207-08-9]
- Benzo[j]fluoranthene [CAS No. 205-82-3]
- Benzo[g,h,i]perylene [CAS No. 191-24-2]
- Benzo[e]pyrene [CAS No. 192-97-2]
- Benzotriazole [CAS No. 95-14-7]
- Benzisothiazolinone [CAS No. 2634-33-5]
- Benzophenone [CAS No. 119-61-9]
- Benzylbenzoate [CAS No. 120-51-4]
- 2-(2H-benzotriazol-2-yl)-4,6-di-tert-butylphenol [CAS No. 3846-71-7]
- Beryllium compounds (including: beryllium-oxide) and beryllium alloy
- Biocides
- Bisphenol A (BPA) [CAS No. 80-05-7], Bisphenol AF (BPAF) [CAS No. 1478-61-1], Bisphenol B (BPB) [CAS No. 77-40-7], Bisphenol E (BPE) [CAS No. 2081-08-5], Bisphenol F (BPF) [CAS No. 620-92-8] and Bisphenol S (BPS) [CAS No. 80-09-01]



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- Bisphenol A diglycidyl ether (BADGE) [CAS No 1675-54-3]
- Bisphenol F diglycidyl ether (BFDGE) [CAS No 2095-03-6]
- 4,4'-Bis(diethylamino)benzophenone- DEAB [CAS No. 90-93-7]
- Bis(chloromethyl)ether (BCME) [CAS No. 542-88-1]
- Bis(2-butoxyethyl) adipate [CAS No. 141-18-4]
- Bis(2-ethylhexyl) Fumarate [CAS No. 141-02-6]
- Bismuth [CAS No. 7440-69-9]
- Blue colorants
- Bromine and its derivatives
- Butyl acrylate [CAS No. 141-32-2]
- BNST (Benzenamine, N-phenyl-, Reaction Products with Styrene and 2,4,4-Trimethylpentene) [CAS No. 68921-45-9]
- Boric acid [CAS No. 10043-35-3]; borates and perborates
- Butylated Hydroxytoluene (BHT) [CAS No. 128-37-0]
- Butylated Hydroxyanisole (BHA) [CAS No. 25013-16-5 and CAS No. 121-00-6]
- C10 - C13 aromatics
- C9 aromatics
- Camphor benzalkonium methosulfate [CAS No. 52793-97-2]
- Catenex PH 941
- Cellulose [CAS No. 9004-34-6]
- Cellulose Acetate [CAS No. 9004-35-7]
- Cetylstearylalcohol [CAS No. 67762-27-0]
- Chlorinated alkyl benzenes (CABs)
- Chrysene [CAS No. 218-01-9]
- Cobalt [CAS No. 7440-48-4] and CoII chloride [CAS No. 7646-79-9]
- Colourants
- Coriandrol (D-Linalool) [CAS No. 126-90-9]
- Cumene [CAS No. 98-82-8]
- Cyanuric acid (CYA) [CAS No. 108-80-5]
- N-cyclohexyl-2-benzothiazolesulfenamide [CAS No. 95-33-0]
- 1,2-Cyclohexane dicarboxylic acid diisononyl ester [CAS No. 166412-78-8]
- 4,4'-diaminodiphenylmethane [CAS No. 101-77-9]
- 4,4'-diaminostilbene [CAS No. 54760-75-7]
- Decabromodiphenyl ether (DecaBDE) [CAS No. 1163-19-15]
- Di-2-ethylhexyl maleate (DEHM) [CAS No. 142-16-5]
- Dibenzo[a,h]anthracene [CAS No. 53-70-3]
- Dibenzothiazyl disulphide [CAS No. 120-78-5]
- Dichlorodiphenyltrichloroethane [CAS No. 50-29-3]

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- 2,2-Dimethoxy-2-phenylacetophenone- DMPA [CAS No. 24650-42-8]
- Dimethylacetamide [CAS No. 127-19-5]
- Dimethylfumarate [CAS No. 624-49-7]
- Dimethylformamide (DMF) [CAS No. 68-12-2]
- 1,4-Dioxane [CAS No. 123-91-1]
- Didecyl-dimethylammonium chloride DDAC [CAS No. 7173-51-5]
- 2,4-Diethyl-9H-thioxanthen-9-one- DETX (CAS:82799-44-8)
- Di-o-tolylguanidine (DOTG) [CAS No. 938-22-7]
- Dioxin [CAS No 290-67-5 and CAS No. 289-87-2] and its derivatives
- Dipentamethylenethiuram disulphide (PTD) [CAS No. 94-37-1]
- Endocrine disruptors
- Epichlorhydrin [CAS No. 106-89-8]
- Epoxidised Soy-Bean Oil (ESBO)
- Ethanol [CAS No 64-17-5]
- Ethyl 4-(dimethylamino)benzoate- EDMAB [CAS No. 10287-53-3]
- 2-Ethylanthraquinone [CAS No.84-51-5]
- Ethylenediaminetetraacetic acid (EDTA) [CAS No. 60-00-4] and its salts
- Ethylene glycol dimethylacrilate (EGDMA) [CAS No. 97-90-5]
- Ethylene/methacrylic acid-Zincs copolymer
- Ethyl-acetone (methyl-propyl-ketone) [CAS No. 107-87-9]
- Ethylbenzene [CAS No. 100-41-4]
- Ethylene-oxide [CAS No. 75-21-8]
- 2-Ethylhexanoic acid [CAS No. 149-57-5]
- 2-Ethylhexyl 4-(dimethylamino)benzoate- EDHAB [CAS No.21245-02-3]
- Fats
- Flame retardants (all)
- Fluoranthen [CAS No. 206-44-0]
- Fluoren [CAS No. 86-73-7]
- Fluorine and its derivatives
- Fluorocarbons
- Fluoroelastomers
- Fluorotelomers
- Folpet [CAS No. 1333-07-3]
- Formaldehyde [CAS No. 50-00-0]
- Fragrances
  - Allergenic fragrances (oak moss, tree moss, isoeugenol [CAS No. 97-54-1])
  - Hexyl cinnamaldehyde [CAS No. 101-86-0]
  - Cinnamyl alcohol [CAS No. 104-54-1]

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- Hydroxycitronellal [CAS No. 107-75-5]
- Lyrall (Hydroxymethylpentylcyclohexenecarboxaldehyde) [CAS No. 31906-04-4]
- Majantol (trimethylbenzene propanol) [CAS No. 103694-68-4]
- Furfural [CAS No. 98-01-1]
- Lilial [CAS No. 80-54-6]
- Coumarin [CAS No. 91-64-5]
- Fungicide
- Furan [CAS No. 110-00-09] and its derivatives
- Furfural [CAS No. 98-01-1]
- Glycerol [CAS No. 56-81-5]
- Glycol ethers (EGME, EGMEA, EGEE, EGEEA)
- Glycols ethylene [CAS No. 107-21-1] and propylene [CAS No. 57-55-6]
- Glyoxal [CAS No. 107-22-2]
- Gold (Au) [CAS No. 7440-57-5]
- Graphite
- Halogenated Flame Retardants
- Halogenated HydroCarbons
- Herbicides
- Hexachlorobenzene (HCB) [CAS No. 118-74-1]
- Hexachlorbutadien, (HCBD) [CAS No. 87-68-3]
- Hexabromocyclododecane (HBCDD) [CAS No. 25637-99-4, 3194-55-6]
- 1-hydroxycyclohexyl phenyl ketone- HCPK [CAS No. 947-19-3]
- 4-Hydroxybenzophenone [CAS No. 1137-42-4]
- 2-Hydroxy-2-methylpropiophenone- HMPP [CAS No. 7473-98-5]
- Hydrofluorocarbon (HFC)
- Hydrochlorofluorocarbon (HCFC)
- Chlorinated paraffins, short chain chlorinated paraffins (SCCPs)
- Chlorine and its derivatives
- Chlorofluorocarbon (CFC)
- Indeno(1,2,3-c,d)pyrene [CAS No. 193-39-5]
- Indium [CAS No. 7440-74-6]
- Insecticides
- Isopropyl thioxanthone (ITX) [CAS No. 83846-86-0, CAS No. 5495-84-1 and CAS No. 75081-21-9]
- Lanoline [CAS No. 8006-54-0]
- Latex, Natural Rubber [CAS No. 9006-04-6]
- Licareol (L-Linalool) [CAS No. 126-91-0]
- Linalool [CAS No. 78-70-6]

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- Lithium Hydroxide (LiOH) [CAS No. 1310-65-2]
- Long-chain Perfluoroalkyl Carboxylates (LCPFACs)
- Mineral oil aromatic hydrocarbones C>24 (MOAHs)
- Mineral oil saturated hydrocarbons from C10 to C40 (MOSHs)
- N-Methylpyrrolidone (NMP) [CAS No. 872-50-4]
- 4-Methylbenzophenone [CAS No.: 134-84-9]
- Melamine [CAS No. 108-78-1]
- Methylene-Diphenyl-Diisocyanate (MDI) [CAS No. 101-68-8]
- 2-mercaptobenzothiazole (MBT) [CAS No 149-30-4]
- Methanol [CAS No 67-56-1]
- 2-Methyl-4-isothiazolin-3-one [CAS No 2682-20-4]
- Methyl methacrylate [CAS No 80-62-6]
- Methylidibromo glutaronitrile (MDBGN) [CAS No 35691-65-7]
- Methylene chloride [CAS No 75-09-2]
- Mica
- 2-(4-Morpholinylmercapto)benzothiazole [CAS No 102-77-2]
- Musk xylene [CAS No. 81-15-2]
- Nanomaterials (including Nanoclay, Nanosilver)
- Naphthalene [CAS No. 91-20-3]
- 2-Naphthylamine [CAS No. 91-59-8] and its salts
- Neomycin [CAS No 1404-04-2]
- N-butanol [CAS No. 71-36-3]
- N-Ethyl-o-toluenesulfonamide (NETSA) [CAS No. 1077-66-1]
- N-Ethyl-p-toluenesulfonamide [CAS No. 80-39-7]
- N-Isopropyl-N'-phenyl-1,4-phenylenediamine [CAS No 101-72-4]
- Ni and Ni-compounds [CAS No 7440-02-0]
- Nickel titanium oxide [CAS No. 12035-39-1]
- Nitrosamines
- Nitrilotriacetic acid, NTA [CAS No. 139-13-9]
- Nitrates
- Nitrite derivatives
- Nitrosoamines
- Nonylphenoxy poly(ethyleneoxy) ethanol [CAS No. 9016-45-9]
- 1-Nitropropane [CAS No. 108-03-2]
- 2-Nitropropane [CAS No. 79-46-9]
- 4-Nitro-BiPhenyl [CAS No. 92-93-3]
- Nonylphenol ethoxylates
- Novolac glycidyl ether

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- Octylphenols [CAS No. 27193-28-8] and Nonylphenol [CAS No. 25154-52-3]
- o-Phenylphenol (OPP) [CAS No. 90-43-7]
- Oleamide [CAS No 301-02-0]
- Organotin compounds
- Oxalic Acid [CAS No. 144-62-7] and its derivatives
- Coconut Oil
- Palm oil, Coconut Oil and Palm Kerner Oil
- Palladium [CAS No 7440-05-3]
- Parabenes (Esters of Para-hydroxybenzoic-acid)
- Pentachlorothiophenol, (PCTP) [CAS No.:133-49-3]
- Pentachlorophenol (PCP) [CAS No. 87-86-5]
- PentaBDE [CAS No 32534-81-9] (pentabromodiphenyl ether) and octaBDE [CAS No. 32536-52-0] (octabromodiphenyl ether)
- Perfluoroalkyl Sulfonate (PFAS)
- Perfluorooctane sulfonate (PFOS) [CAS No. 1763-23-1]
- Perfluorooctanoic acid (PFOA) [CAS No. 335-67-1]
- Perfluorinated carboxylic acids (PFCAs)
- Perfluorochemicals (PFCs)
- Perfluoro-alkyl- phosphate esters (PAPs)
- Perfume
- Perchlorates
- Pesticides
- Persistent and very bioaccumulative (vPvB) substances
  - Trichloroethylene [CAS No. 79-01-6]
  - Chromium trioxide [CAS No. 1333-82-0]
  - Acids generated from chromium trioxide and their oligomers,
  - Sodium dichromate [CAS No. 10588-01-9]
  - Ammonium dichromate [CAS No. 7789-09-5]
  - Potassium dichromate [CAS No. 7778-50-9]
  - Cobalt(II) sulphate [CAS No. 10124-43-3]
  - Cobalt dichloride [CAS No. 7646-79-9]
  - Cobalt(II) carbonate [CAS No. 513-79-1]
  - Cobalt(II) diacetate [CAS No. 71-48-7]
- Phenanthren [CAS No. 85-01-8]
- Phenol [CAS No. 000108-95-2] and its derivatives
- Phenol, isopropyliertes Phosphat, (PIP (3:1)) [CAS No.: 68937-41-7]
- Phthalic Anhydride [CAS No. 85-44-9]
- Phthalimide [CAS No.: 85-41-6]

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- P-Hydroxybenzoic Acid [CAS No. 99-96-7]
- p-Phenylenediamine [CAS No 106-50-3]
- Plasticizers
- Pigment Green 50 [CAS No. 68186-85-6]
- Polyamide-6
- Polyacrylonitrile (PAN) [CAS No 25014-41-9]
- Polylactic acid (PLA) [CAS No 26100-51-6]
- Polychlorinated Biphenyls (PCBs)
- Polybrominated Biphenyls (PBBs)
- Polychlorinated Dibenzodioxin (PCDDs) and dibenzofurans
- Polychlorinated Furanes (PCDFs)
- Polychlorinated Naphthalenes (PCNs)
- Polychlorinated Terphenyls (PCTs)
- Polybrominated Diphenyl Ethers (PBDEs)
- Polybrominated Terphenyls (PBTs)
- Polycyclic aromatic hydrocarbons (PAHs)
- Polytetrafluorethylene (PTFE, TEFLON) [CAS No 9002-85-1] and [CAS No. 9002-84-0]
- Preservative / disinfectant
  - 2-Chloroacetamide [CAS No. 79-07-2]
  - Chlorphenesin [CAS No. 886-74-8]
  - Climbazole [CAS No. 38083-17-9]
  - Ethyl Lauroyl Arginate-HCl [CAS No. 60372-77-2]
  - Isothiazolinone [CAS No. 1003-07-2]
  - Methylisothiazolinone [CAS No.2682-20-4]
  - Methylchlorisothiazolinone (CAS No. 26172-55-4]
  - Benzisothiazolinone (CAS No. 2634-33-5]
  - o-Phenylphenol [CAS No. 90-43-7]
- Propolis [CAS No 9009-62-5]
- Proteines
- PVC [CAS No. 9002-86-2] and PVDC [CAS No. 9002-85-1]
- Pyrene [CAS No. 129-00-0]
- Radioactive substances/elements
- Quaternary Ammonium Compounds
- Radon (Rn) [CAS No 10043-92-2]
- Release additives
- Rosin from wood [CAS No. 8050-09-7]
- Rubber (Synthetic and Natural)
- Recycled material

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- Colophony (Gum rosin) [CAS No 8050-09-7]
- Semicarbazide [CAS No. 57-56-7]
- Short Chain Chlorinated Paraffins (SCCP) [CAS No. 85535-84-8]
- Silicone [CAS No. 90337-93-2] and silica gel [CAS No. 99439-28-2]
- Siloxane D4 [CAS No. 556-67-2]
- Siloxane D5 [CAS No. 541-02-6]
- Silver [CAS No 7440-22-4]
- Softeners
- Styrene [CAS No. 100-42-5]
- Sulphur dioxide [CAS No 7466-09-5]
- Sulfates
- sum of Benzophenone + 4-Methylbenzophenone + 4-hydroxybenzophenone (CAS:119-61-9; 134-84-9; 1137-42-4)
- Vinyl Chloride [CAS No. 75-01-4]
- Tannic acid [CAS No. 1401-55-4]
- Tartrazine [CAS No. 1934-21-0]
- TBT (Tributyl-tin), DBT (dibutyl-tin) and MBT (monobutyl-tin) and dioctyltin compounds (DOT) and other organo-tin compounds
- Tetrabromobisphenol A (TBBPA) [CAS No.: 79-94-7]
- Tetrachloroethene (PERC) [CAS No.: 127-18-4]
- Tetraethyleneglycol dimethacrylate (TEGDMA) [CAS No. 109-16-0]
- Tetraethylthiuram disulphide (TETD) [CAS No 97-77-8]
- Tetramethylthiuram disulphide (TMTD) [CAS No 137-26-8]
- Tetramethylthiuram monosulphide (TMTM) [CAS No 97-74-5]
- Thiuram mix
- Titanium acetyl acetonate (TAA) [CAS No.: 17501-79-0]
- Thorium [CAS No 7440-29-1]
- Tin oxide, Cassiterite [CAS No 8062-08-6]
- Titanium dioxide [CAS No 1317-70-0]
- Trans-2 nonenal [CAS No. 18829-56-6]
- Trichlorobenzene [CAS No. 12002-48-1]
- Trichloroethene (TCE) [CAS No. 79-01-6]
- Triclosan [CAS No. 3380-34-5]
- Triethanolamine [CAS No. 102-71-6]
- Trikesylphosphate, Tritolyl phosphate [CAS No. 78-30-8]
- Trioxide D'antimoine (CAS-Nr. 1309-64-4)
- Tris (nonylphenyl) phosphite (TNPP) [CAS No.: 3050-88-2]
- Tris(2-butoxyethyl) phosphate (TBEP) [CAS No. 78-51-3]

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- 2,4,6-tris(tert-Butyl) phenol, (TTBP) [CAS No.:732-26-3]
- Tris(2-nonylphenyl) phosphite (TNPP) [CAS No. 26523-78-4]
- Trimethylbenzenes
- Toluene [CAS No. 108-88-3]
- Turpentine [CAS No 8006-64-2]
- UV Filters UV stabilizers
  - 2,2'-Methylene-bis-(6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol) (MBBT) [CAS No. 103597-45-1]
  - Camphor Benzalkonium Methosulfate [CAS No. 52793-97-2]
  - 3-benzylidene-camphor [CAS No. 15087-24-8]
  - Benzophenone-1 / -2 / -3 [CAS No. 92092-63-2, 131-55-5, 131-57-7]
  - Ethylhexyl-Methoxycinnamate (OMC) [CAS No. 5466-77-3]
  - Octocrylene, Etocrylene [CAS No. 6197-30-4, 5232-99-5]
  - Homosalate [CAS No. 118-56-9]
  - 4-Methylbenzylidene Camphor (MBC) [CAS No. 36861-47-9]
  - Octyl-Dimethyl-p-Aminobenzoic-Acid (OD-PABA) [CAS No. 58817-05-3]
- Vinylidene chloride (VDC) [CAS No 75-35-4]
- Water repellents
- Xenohormones
- Xylenes [CAS No. 1330-20-7]



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