

Novoplast AG
Rheinstrasse 74
CH – 4323 Wallbach



Konformitätsbescheinigung

Richtlinie 2011/65/EU (RoHS)¹

SorVyl G 6349 Orange 7/01

Zur Herstellung der o.g. Produkte setzen wir keine Roh- und Hilfsstoffe auf Basis von **Blei, Quecksilber, Cadmium, sechswertigem Chrom, polybromierten Biphenylen** oder **polybromierten Diphenylethern (PBDE, DecaBDE)** ein, so dass davon ausgegangen werden kann, dass diese Elemente bzw. Verbindungen in den an Sie gelieferten Compounds nicht enthalten sind.¹

Wir müssen allerdings darauf hinweisen, dass eine analytische Überwachung möglicher Kontaminationen nicht Gegenstand unserer Produktprüfungen ist.

Bad Sobernheim, 09.04.2014

Polymer-Chemie GmbH
Bereich PVC Compounds
Labor / Qualitätssicherung

i.A. 

i. A. Ulf Malcharczik

¹ „Im Sinne des Artikels 4 Absatz 1 wird ein Konzentrationshöchstwert von jeweils 0,1 Gewichtsprozent Blei, Quecksilber, sechswertigem Chrom, polybromierten Biphenylen (PBB) oder polybromierten Diphenylethern (PBDE) je homogenem Werkstoff und von 0,01 Gewichtsprozent Cadmium je homogenem Werkstoff toleriert.“

DECLARATION DATASHEET

Polyethylene TIPOLEN FC 243-51

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN

The joint product portfolio of TVK and SLOVNAFT provide infinite opportunities

GENERAL PROPERTIES

Characteristic: Low density polyethylene granulate intended for blown film application

Used monomer: ethylene (CAS No.: 74-85-1)

Used Co-monomer: not used

Applied Catalyst system: not used

Type of polymerization / License: free radical polymerization with initiator /LyondellBasell

Shelf life: quality of this product is stable for 1 year after the production if the storage conditions fulfill the requirements of Technical Data Sheet

FOOD CONTACT APPLICATION

The composition of this product as supplied from our factory complies with the requirements for use in contact with food of:

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,

Commission Regulation (EU) No. 10/2011 (14 January 2011) on plastic materials and articles intended to come into contact with food and its amendments such as 1282/2011/EC (28 November 2011), 1183/2012/EC (30 November 2012), 202/2014/EC (3 March 2014) and 2015/174/EC (5 February 2015) (applies to all EU-Member States)

We declare that we use monomers and additives in our production only which are listed in union list of authorized monomers, other starting substances, additives, and polymer production aids of Directive 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, B, C and D at 40°C during 10 days, it is our experience that under these conditions overall migration limits are not exceed 10 mg/dm². 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/dm² on the overall migration from finished plastic articles into food. In accordance with EU-Directive 10/2011/EC the migration 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.

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During production of above mentioned product we do not use any SML specified monomers and do not use any SML specified additives according to EU-Directive 10/2011/EC Annex I.
EU-Directive 10/2011/EC does not specify residual quantity **(QM)** limitations on the individual components of this resin.

Dual Use Additives: The information provided concerning additives which are also food additives and flavouring is based on our current knowledge.

Dual use additives are not 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 the imposed overall migration requirements.

REGULATION (EC) NO 2023/2006 (22ND OF DECEMBER 2006) ON GOOD MANUFACTURING PRACTICE FOR MATERIALS AND ARTICLES INTENDED TO COME INTO CONTACT WITH FOOD

We declare that production of this product runs under established, implemented and observed effective and documented quality assurance system certified by ISO 9001, ISO14001 and OHSAS 18001 so that, under normal or foreseeable conditions of use, its constituents can not 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 characteristics.

We fulfill the general rules on GMP as laid down in the Articles 5, 6 and 7 of 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 (16 December 1999) on minimum requirements for improving the safety and health protection of workers potentially at risk from explosive atmospheres.

US FOOD AND DRUG ADMINISTRATION (FDA)

This product is not tested according to FDA (Food and Drug Administration of the USA) – Code of Federal Regulations – Title 21 § 177.1520 (a)(2)(i) related specification: 2.1 or 2.2

EUROPEAN PHARMACOPOEIA (EP), 8TH EDITION

This product complies (according to the laboratory test results) to EP requirements for 3.1.3. Polyolefines – 7 th Edition of European Pharmacopoeia.

Considering that 3.1.3 chapter of 7th edition of EP was not modified in 8th edition, it may be assumed the conformity with 8th edition

KUNSTOFFE TECHNISCHE WASSER (KTW) DECLARATION

This product is not tested for KTW recommendation.

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DIRECTIVE 2007/68/EC (27 NOVEMBER 2007) AMENDING ANNEX IIIA TO DIRECTIVE 2000/13/EC REGARDS 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 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

DIRECTIVE 67/548/EEC (27 JUNE 1967) WITH PERTAINING 29 AMENDMENTS, DIRECTIVE 1999/45/EC (31 MAY 1999) AND DIRECTIVE 1272/2008 (16 DECEMBER 2008) RELATING TO THE CLASSIFICATION, PACKAGING AND LABELLING OF DANGEROUS SUBSTANCES

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 the production of above mentioned product we do not use intentionally any carcinogenic, mutagenic or toxic substances (CMR substances) to reproduction according with the 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

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) and does not contain any hazardous substances which are mentioned in CFR 16 Part 1500.

DIRECTIVE 94/62/EC (20TH OF DECEMBER 1994) ON PACKAGING AND PACKAGING WASTE AND ITS AMENDMENT 2004/12/EC

Heavy metals (like cadmium, lead, mercury, hexavalent chromium (CrVI)) and their compounds are not used in manufacturing of, and therefore are not expected to be present in the above mentioned polymer. Therefore it can be declared that this product, as well as the product packaging material, is in compliance with the concentration levels of heavy metals specified in Article 11, item1 of EU-Directive 94/62/EC. This product meets requirements of less than 100 ppm for total incidental cadmium, chromium, lead and mercury. In addition, this product has the potential to be recycled according to these requirements.

DIRECTIVE 76/768/EEC OF 27 JULY 1976 ON THE APPROXIMATION OF THE 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 the chemicals are listed 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 these chemical substances.

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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 the requirements of the 1223/2009/EC. However, this product has not been tested by Regulation (EC) 1223/2009.

DIRECTIVE 76/769/EEC (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.

REGULATION (EC) NO 850/2004 (29 APRIL 2004) ON PERSISTENT ORGANIC POLLUTANTS AND AMENDING DIRECTIVE 79/117/EEC

We certify, that during manufacturing of this product, we do not intentionally incorporate into this product, any of the chemicals as restricted by ANNEX I – IV. of 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.

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, 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)

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

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

Heavy metals like cadmium, lead, mercury, hexavalent chromium (CrVI) and their compounds and polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE) restricted (max. 0,1%) by ANNEX II of this regulation are not incorporated into this polymer intentionally during production.

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

DIRECTIVE 2000/53/EC (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.

GADSL DECLARATION

Hereby following substances are listed below which are indicated in Global Automotive Declarable Substance List (2013 GADSL v1.0, Released 01.02.2013) and they are present in this polymer product:

There is not GADSL substance in 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.

FLAMMABILITY BEHAVIOR

Information about flammability behavior : no information

REGULATION (EC) NO 1895/2005 (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 these chemical substances.

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.

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DIRECTIVE 2009/48/EC (18 JUNE 2009) ON THE SAFETY OF TOYS AND EN 71-3 AND EN 71-9

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. However, this product has not been tested for these chemical substances.

According to the analytical test results of more polymer material produced by TVK Plc. we certify that this product fulfills the requirements of European Standard EN 71 "Safety of Toys", Part 3 (2013) by Directive EU 2009/48/EC as amended in July 2013.

Moreover EN 71- Part 9 (2005) "Organic chemical compounds - Requirements" (none of the substances listed in Tables 2 A-I are intentionally added). 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.)

TALLOW AND ITS DERIVATES (BSE/TSE)

The concerns relative to BSE/TSE in the context of plastics 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.

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.

NANOTECHNOLOGY

We certify, that during manufacturing of this product, we do not use Nanotechnology or nanomaterials according to COMMISSION RECOMMENDATION 2011/696/EU (of 18 October 2011) on the definition of nanomaterial.

GMO DECLARATION

We certify, that product does not intentionally contain any genetically modified organisms.

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 these.

- Antimony (Sb)
- Arsenic (As)
- Conflict minerals: Gold (Au), Tantalum (Ta), Tin (Sn), Tungsten (W)
- Halogens (fluor, brom, iod, chlorine)
- Phosphorous (yellow and red)

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- Rare Earth Elements
- Selenium (Se)
- Uranium (U)

DECLARATION OF OTHER SUBSTANCES

We certify, that during manufacturing of this product, we do not intentionally incorporate into this product, any of the chemicals are listed below and therefore 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]
- Acenaphthylene [CAS No. 208-96-9]
- Acenaphthene [CAS No. 83-32-9]
- Acetyl tributyl citrate [CAS No. 77-90-7]
- 4-Aminobiphenyl [CAS No. 92-67-1] and its salts
- Anthracen [CAS No. 120-12-7]
- Antrachinon [CAS No. 84-65-1]
- Acrylamide [CAS No. 79-06-1]
- 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]
- Alkyl phenols (APs) derivatives like Ethoxylates (APEOs) and Amines
- Azocolorants (restricted by Directive 2002/61/EC)
- 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]
- Benzophenone [CAS No. 119-61-9]
- Benzylbenzoate [CAS No.: 120-51-4]
- Beryllium compounds (including: beryllium-oxide) and beryllium alloy

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- Biocides
- Bisphenol A (BPA) [CAS No. 80-05-7], Bisphenol B (BPB) [CAS No. 77-40-7], Bisphenol F (BPF) [CAS No. 620-92-8] and Bisphenol S (BPS) [CAS No. 80-09-01]
- Bis(chloromethyl)ether (BCME) [CAS No. 542-88-1]
- Bis(2-butoxyethyl) adipate [CAS No. 141-18-4]
- Blue colorants
- 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]
- Cellulose Acetate [CAS No. 9004-35-7]
- Chlorinated alkyl benzenes (CABs)
- Chrysene [CAS No. 218-01-9]
- Cobalt-dicloride [CAS No. 7646-79-9]
- 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]
- Dibenzo[a,h]anthracene [CAS No. 53-70-3]
- Dichlorodiphenyltrichloroethane [CAS No. 50-29-3]
- Dimethylacetamide [CAS No. 127-19-5]
- Dimethylfumarate [CAS No. 624-49-7]
- Dimethylformamide (DMF) [CAS No. 68-12-2]
- Didecyl-dimethylammonium chloride DDAC [CAS No. 7173-51-5]
- Di-o-tolylguanidine (DOTG) [CAS No. 938-22-7]
- Dioxin [CAS No. 290-67-5] and its derivatives
- Epichlorhydrin [CAS No. 106-89-8]
- Epoxidised Soy-Bean Oil (ESBO)
- 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]
- 2-Ethylhexanoic acid [CAS No. 149-57-5]
- Fats
- Flame retardants
- Fluoranthene [CAS No. 206-44-0]
- Fluorene [CAS No. 86-73-7]
- Fluoroelastomers
- 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]
 - Hydroxycitronellal [CAS No. 107-75-5]
 - Lylal (Hydroxymethylpentylcyclohexenecarboxaldehyde) [CAS No. 31906-04-4]
 - Majantol (trimethylbenzene propanol) [CAS No. 103694-68-4]

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- Furfural [CAS No. 98-01-1]
Lilial [CAS No. 80-54-6]
Coumarin [CAS No. 91-64-5]
- Furan [CAS No. 110-00-09] and its derivatives
 - Furfural [CAS No. 98-01-1]
 - Glycerol [CAS No. 56-81-5]
 - Glycols ethylene [CAS No. 107-21-1] and propylene [CAS No. 57-55-6]
 - Halogenated HydroCarbons
 - Herbicides
 - Hexachlorobenzene (HCB) [CAS No. 118-74-1]
 - Hexabromocyclododecane (HBCDD) [CAS No. 25637-99-4, 3194-55-6]
 - 4-Hydroxybenzophenone (CAS No.: 1137-42-4)
 - Indeno(1,2,3-c,d)pyrene [CAS No. 193-39-5]
 - Insecticides
 - Isopropyl thioxanthone (ITX) [CAS No. 83846-86-0]
 - Latex and Natural rubbers
 - 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]
 - 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
 - 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]
 - Ni and Ni-compounds
 - Nickel titanium oxide [CAS No. 12035-39-1]
 - Nitrosamines
 - Nitrilotriacetic acid, NTA [CAS No. 139-13-9]
 - Nitrite derivatives
 - Nonylphenoxypoly(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]
 - Melamine [CAS No. 108-78-1]
 - Methylene-Diphenyl-Diisocyanate (MDI) [CAS No. 101-68-8]
 - Octylphenols [CAS No. 27193-28-8] and Nonylphenol [CAS No. 25154-52-3]
 - o-Phenylphenol (OPP) [CAS No. 90-43-7]
 - Oxalic Acid [CAS No. 144-62-7] and its derivatives
 - PALM oil , Coconut Oil and Palm Kerner Oil
 - Parabenes (Esters of Para-hydroxybenzoic-acid)
 - Pentachlorophenol (PCP) [CAS No. 87-86-5]

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- Perfluoroalkyl Sulfonate (PFAS)
- Perfluorooctane sulfonate (PFOS) [CAS No. 1763-23-1]
- Perfluorooctanoic acid (PFOA) [CAS No. 335-67-1]
- 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
- Phthalic Anhydride [CAS No. 85-44-9]
- P-Hydroxybenzoic Acid [CAS No. 99-96-7]
- Pigment Green 50 [CAS No. 68186-85-6]
- Polyamide-6
- Polychlorinated Biphenyls (PCBs)
- Polybrominated Biphenyls (PBBs)
- Polychlorinated Dibenzodioxin (PCDDs)
- Polychlorinated Furan (PCDFs)
- Polychlorinated Terphenyls (PCTs)
- Polybrominated Diphenyl Ethers (PBDEs)
- Polybrominated Terphenyls (PBTs)
- Polycyclic aromatic hydrocarbons (PAHs)
- Polytetrafluoroethylene (PTFE, TEFLON) [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]
- Proteines
- PVC [CAS No. 9002-86-2] and PVDC [CAS No. 9002-85-1]
- Pyrene [CAS No. 129-00-0]
- Quaternary Ammonium Compounds
- Rosin from wood [CAS No. 8050-09-7]
- Rubber (Synthetic and Natural)

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- 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]
- Softeners
- Styrene [CAS No. 100-42-5]
- Sulfates
- 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]
- Titanium acetyl acetonate (TAA) [CAS No.: 17501-79-0]
- 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]
- Triekesylphosphate, 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]
- Toluene [CAS No. 108-88-3]
- UV Filters
- 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]
- Xenohormones
- Xylenes [CAS No. 1330-20-7]

DISCLAIMER

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

Polyethylene TIPOLEN FC 243-51

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.tvk.hu website.

This Declaration DataSheet has been generated from the data of our quality database and does not require a signature. If you need a copy of signed Declaration Datasheet please contact with our Technical service (E-mail: customerservice@tvk.hu / Tel: +36 80 204 249).

Date of Issue: 28 May 2015

REACH and RoHS declaration

Regulation (EC) No 1907/2006 (REACH), Directive 2011/65/EC (RoHS II)

Product Name:

EL-4360 natúr (natural)

Szeplast Plc. obliges every one of its base material suppliers that they shall be performed the registration their raw materials supplied to Szeplast Plc. on time by regulation (EC) No 1907/2006 (REACH). Szeplast Plc. connected with base material suppliers like that only comply the REACH regulation absolutely. Szeplast Plc. keeps a severe register of the suppliers.

Szeplast Plc. complies with the REACH regulation, laying an especial emphasis on supplier chain onto the passing obligations of the information. Szeplast Plc. grants the substances of very high concern (SVHC) on label and safety data sheet of all products, in its interest, that the customers can publish the suitable declarations. In that case if these substances of very high concern (SVHC) are not indicated on label or safety data sheet, then the combination does not contain these substances.

Szeplast Plc. responsibly declares that our product, that mentioned in 'Product Name' do not contain the following materials suitably directive 2011/65/EC (RoHS II):

Nr.	Name	Nomination
1.	Lead	(Pb)
2.	Mercury	(Hg)
3.	Cadmium	(Cd)
4.	Hexavalent cromium	(chromates)
5.	Polybrominated Biphenyls	(PBB)
6.	Polybrominated Diphenyl Ethers	(PBDE)

Ready to declare that this product:

- **is based on Ca/Zn stabilizer system,**
- **contains DINP plasticizer** (CAS number: 28553-12-0 / EC number: 249-079-5).

Due to confidentiality reasons we do not declassify the exact amount of components being in our products and the name of those components whose indication is not obligatory in accordance with current regulations.

16 December 2015, Szeged



Attila Csikos
CEO
SZEPLAST Zrt.
6728 Szeged, Kültérület 4.
Adószám: 23043732-2-06

MATERIAL DECLARATION

Product: PE-HD LITEN (all grades)

We declare, that the assortment of PE-HD LITEN does not contain lead, cadmium, mercury and hexavalent chromium, i.e. the amount of these heavy metals does not exceed 100 ppm (Cd < 0,25 ppm, Hg < 0,2 ppm, Pb < 0,5 ppm and Cr < 1 ppm).

PE-HD LITEN is not classified as a hazardous substance and it does not contain any hazardous substances.

Waste from the used product made from PE-HD LITEN is usable via recycling or production of energy. This product is not suitable for waste depot or composting.

During the manufacturing of the above product we do not use or intentionally incorporate into it any of the following substances or materials:

antimony, arsenic, beryllium, bismuth, boron, gold, indium, nickel, palladium, selenium, silver, tellurium, thorium and their compounds, acetaldehyde, acrylamide, acrylonitrile, alkylphenols or alkylphenolethoxylates, aromatic amines, artificial musks, asbestos, azocolorants, azodicarbonamide, semicarbazide, 2-chloracetamide, benzophenones, BHT or BHA, biocides (pesti-, herbi-, insecti-, fungi-, bactericides), bisphenols (A, S, F, etc.), colophony (rosin), DDT, 4,4'-diaminodiphenylmethane (MDA), di-2-ethyl-hexyl maleate (DEHM), dimethylfumarate (DMF), dibutylfumarate, dioxins and furans, endocrine disruptors, epichlorohydrin, epoxy derivatives (BADGE, BFDGE, NOGE), 2-ethylhexanoic acid, ethoxyquin, fluorinated or chlorinated hydrocarbons, formaldehyde, formamide, fragrances, furfural, genetically modified materials (GMO), glycol ethers (EGME, EGMEA, EGEE, EGEEA), natural or synthetic latex, melamine, cyanuric acid, synthetic nanoparticles, nitrosamines, organotin compounds, parabens, pentachlorophenol (PCP), perfluorinated tensides (e.g. PFOA, PFOS), plasticisers (e.g. adipates, ESBO, phthalates /DMP, DEP, DEHP, DBP, DIBP, BBP, DINP, DIDP, DNOP/), polychlorinated or polybrominated biphenyls (PCB, PBB), terphenyls (PCT, PBT) or naphthalenes, polybrominated diphenyl ethers (PBDE, decaBDE), polycyclic aromatic hydrocarbons (PAH), radioactive substances, silicone, thiurams, TNPP, toluene, trichlorobenzene, UV-hardeners (e.g. isopropylthioxanthone (ITX), titanil-acetylacetone), vinylchloride, vinylidenechloride, PVC or PVDC.

PE-HD LITEN does not contain any recycled materials.

The substances used in the manufacturing of the above product and - if applicable - the basic polymers are listed in the following chemical inventories: Australia/AICS, Canada/DSL, Europe/EINECS or ELINCS or NLP, Japan/ENCS, Korea/KELC, Philippines/PICCS, USA/TSCA.

The assortment of PE-HD LITEN meets the requirements of the following regulations and their subsequent amendments:

Annex XVII of the REACH Regulation (EC) 1907/2006 (superseeding Directive 76/769/EEC)

CONEG „Toxics in packaging“ Model Legislation, rev. 2008

Directive 94/62/EC (PPW)

Directive 2000/53/EC (ELV)

Directive 2011/65/EU (ROHS)

Directive 2012/19/EU (WEEE)

Directive 2005/84/EC (phthalates in toys and childcare articles)

Chemical List of Proposition 65 of the State of California and subsequent amendments, as known to the State of California to cause cancer

CEPA Canadian Challenge

Regulation (EC) No 1005/2009 (Substances that deplete the ozone layer)

US Clean Air Act, Title VI, Classes I and II on substances that deplete the ozone layer

Regulation (EC) No 850/2004 (POPs)

Directives 2003/89/EC, 2006/142/EC, 2007/68/EC amending Directive 2000/13/EC - Annex IIIa (Allergens)

Global Automotive Declarable Substance List (GADSL) and VDA232-101

Swiss SR 814.018 (Verordnung über die Lenkungsabgabe auf flüchtigen organischen Verbindungen - VOCV) – VOC's according to Annexes 1 & 2 < 3 %wt.

OSPAR List of Chemicals for Priority Action

Certified for UNIPETROL RPA by:

Zbyněk Hovorka

UNIPETROL SERVICES, s.r.o., HSE&Q Dpt., CZ-43670 Litvínov

E-mail: zbynek.hovorka@unipetrol.cz

2015-02-19

Disclaimer:

End users must make their own determination that their use of our product is safe, lawful and technically suitable in their intended applications.

No liability can be accepted in respect of the use of UNIPETROL RPA' products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.



PRODUCT STEWARDSHIP REGULATORY STATEMENT

Product range concerned:

ERACLENE (HDPE)

Our Eraclene is a High Density Polyethylene (HDPE), produced with approved components (monomer, additives, etc.) under a third party certified ISO 9001:2008 Quality Management System. We confirm that in the manufacturing of all Eraclene grades, the following substances or class of substances are not used:

SUBSTANCES	REFERENCE REGULATION
Acrylamide	Reg. (EC) No 366/2011
Aromatic amines	Reg. (EC) No 552/2009
Asbestos fibres	Reg. (EC) No 552/2009
Azocolourants and Azodyes	Reg. (EC) No 552/2009
Benzophenone	
Biocides	Directive 98/8/EC
Bisphenol-A	Reg. (EC) No 321/2011
Butylhydroxytoluene; Butylhydroxyanisole (BHT, BHA)	
Chlorinated aliphatic compounds; Alkanes, C ₁₀ -C ₁₃ , chloro (Short-Chain Chlorinated Paraffins - SCCPs)	Reg. (EC) No 552/2009
Conflict Minerals: Tantalum, Tungsten, Gold, Cassiterite, Columbite-Tantalite (Colran), Wolframite and their derivatives	Dodd–Frank Wall Street Reform and Consumer Protection Act (2010)
CMR substances – Category 1A, 1B and Category 2	Regulation 1907/2006/EC; product in compliance with Regulation 1272/2008.
Dimethylfumarate (DMF)	Commission Decision 2009/251/EC
Dioxins and difurans	
Epoxy derivatives (BADGE, NOGE, BFDGE)	Regulation (EC) No1895/2005
ESBO Epoxidized soy bean oil	Directive 2005/79/EC
Food allergens	Directive 2007/68/EC
Formaldehyde	EN 71-9
Genetically modified microorganisms (GMO)	
Heavy metals: cadmium (Cd), hexavalent chromium (Cr VI), lead (Pb), mercury (Hg) and their compounds	Directive 94/62/EC “Packaging and packaging waste”, Directive 2000/53/EC “End of Life Vehicles”, Directive 2002/95/EC and Directive 2011/65/EU “Restriction of Hazardous Substances - RoHS”, US CONEG Legislation; SJ/T 11363-2006 (China RoHS).



SUBSTANCES	REFERENCE REGULATION
Isopropylthioxantone (ITX)	Reg. (EC) No 2023/2006
Jatropha plant derivatives and extracts	
Nanoparticles and nanomaterials	
Natural Latex	
Nitrosamines	Directive 1993/11/EEC
Nonylphenol, nonylphenol ethoxylates	Reg. (EC) No 552/2009
Ozone depleting substances: chlorofluorohydrocarbons (CFC, HCFC)	Regulation (EC) No 1005/2009
Perfluorooctane sulfonates (PFOS), Perfluorooctanoic acid (PFOA)	Reg. (EC) No 552/2009
Pesticides, Herbicides	Directive 91/414/EC
Phthalate esters (e.g. DEHP, DBP, BBP, DINP, DIDP, DNOP, etc.)	Reg. (EC) No 552/2009
Polychlorinated biphenyls, polychlorinated terphenyls (PCB, PCT)	Reg. (EC) No 552/2009
Polycyclic aromatic hydrocarbons (PAH)	Reg. (EC) No 552/2009
Polyhalogenated -diphenyl compounds (PBB, PBDE incl. penta- octa- and deca- BDE)	Directive 2002/95/EC, Directive 2011/65/EU “Restriction of Hazardous Substances, RoHS”, SJ/T 11363-2006 (China RoHS); Reg. (EC) No 552/2009.
PVC, PVDC, vinyl chloride monomer (VCM)	
Radioactive substances	
Tin organic compounds (MTB, DBT, TBT, etc.)	Reg. (EC) No 552/2009; Commission Decision 2009/425/EC
Thiuram mix	

From the foregoing we can confirm that there is no reason that said substances may be found in the above mentioned materials as supplied in original sealed packaging.

Regarding other substances not listed in this statement, we confirm that our mentioned products comply with all the applicable restrictions set by the REACH Regulation (CE) No 1907/2006, annex XVII “Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles” and following amendments, including Regulation (CE) No 552/2009. These laws and their amendments represent our regulatory reference in case of claims.

The products are also in compliance with the applicable requirements of the following regulations:

BSE/TSE: The products do not contain specified risk materials as defined by Regulation (EC) 999/2001 and by the EMEA guideline 410/01 rev. 3; in case approved additives manufactured by raw materials from animal origin are used, those are certified as BSE/TSE free by their suppliers.



Toy safety standards: The product is in compliance with the applicable requirements of Directive 2009/48/EC on the safety of toys and in compliance with the compositional requirements of EN 71-3 "Safety of toys - Migration of certain elements."

The products are in compliance with the compositional requirements of the Consumer Product Safety Improvement Act of 2008 (CPSIA - USA); no lead and lead-based compounds (section 101 of the Act) and phthalates (section 108 of the Act) are used in the production.

GADSL: the products are in compliance with the requirements of the Global Automotive Declarable Substance List (GADSL), 2013 version.

Switzerland VOC ordinance: the products are exempted by the Ordinance 814.018 (OCOV) as the residual volatile compounds are below the regulation's 3% limit.

Proposition 65: we do not use chemicals listed in Proposition 65 as additives in the production of our mentioned materials. Given the material's physical form, possible trace contaminants are not expected to lead to any significant exposure.

National chemical inventories

The products and the ingredients used in their formulation are listed in the following national chemical inventories:

USA: Toxic Substances Control Act (TSCA)

Canada: Domestic Substances List (DSL)

Europe: EINECS/ELINCS; REACH pre-registration and Registration procedure (where applicable)

Australia: Inventory of chemical substances (AICS)

Korea: Existing Chemical List (ECL)

Japan: Inventory of Existing and new chemical substances (ENCS)

Philippines: Inventory of Chemicals and Chemical Substances (PICCS)

China: Inventory of Existing Chemical Substances Manufactured or Imported in China (IECSC).

Product Compliance Mgr.
Salvatore Minardi

Revision 13 February 2013

This statement is valid three years and replaces those issued earlier.