

FLEXIRENE®

Polyethylene (LLDPE)

Flexirene is a Linear Low Density Polyethylene (LLDPE), produced by Versalis with approved components (monomers, additives, etc.) under a third party certified ISO 9001:2015 Quality Management System.

Regulated and declarable substances

In the manufacturing of all Flexirene grades, the following substances or class of substances are either not intentionally used or the product complies with the applicable requirements of the regulatory reference cited:

| SUBSTANCES | REGULATORY REFERENCE |
|---|--|
| Acrylamide | Reg. (EC) No 366/2011 |
| Aromatic amines | Reg. (EC) No 1907/2006, Annex XVII |
| Asbestos fibres | Reg. (EC) No 1907/2006, Annex XVII |
| Azocolourants and Azodyes | Reg. (EC) No 1907/2006, Annex XVII |
| Benzophenone | Reg. (EC) No 1223/2009 |
| Biocides | Reg. (EU) 528/2012 |
| Bisphenol-A, Bisphenol-F, Bisphenol-S | Reg. (EC) No 321/2011 |
| Butylhydroxytoluene (BHT); Butylhydroxyanisole (BHA) | --- |
| Flame retardants (brominated, chlorinated, etc.) | --- |
| Chlorinated aliphatic compounds; Alkanes, C ₁₀ -C ₁₃ , chloro (Short-Chain Chlorinated Paraffins - SCCPs) | Regulation (EC) 850/2004 (POP) |
| Colorants, pigments | Resolution AP 89(1) |
| Conflict Minerals: Tantalum, Tungsten, Tin, Gold, Cassiterite, Columbite-Tantalite (Colran), Wolframite and their derivatives | Dodd–Frank Wall Street Reform and Consumer Protection Act (2010) |
| Di(ethylhexyl) adipate (DEHA); di(ethylhexyl) maleate (DEHM) | --- |
| Dimethylfumarate (DMF) | Commission Decision 2009/251/EC |
| Dioxins and difurans | --- |
| Epoxy derivatives (BADGE, NOGE, BFDGE) | Regulation (EC) No 1895/2005 |
| ESBO Epoxidized soy bean oil | Directive 2005/79/EC |
| Food allergens | Regulation (EC) 1169/2011 - annex II |
| Formaldehyde | EN 71-9 |
| Genetically modified organisms (GMO) | Directive 2001/18/EC |
| 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", Dir. 2011/65/EU "Restriction of Hazardous Substances - RoHS", US CONEG Legislation; |

| SUBSTANCES | REGULATORY REFERENCE |
|--|--|
| | GB/T 26572-2011 (China RoHS); GB/T 30512—2014 (China ELV) |
| Isopropylthioxantone (ITX) | Reg. (EC) No 2023/2006 |
| Jatropha plant derivatives and extracts | --- |
| Melamine | Reg. (EU) 284/2011 |
| Nanomaterials | Commission Recommendation 2011/696 |
| Natural Latex, natural rubber | --- |
| Nitrosamines | Directive 1993/11/EEC |
| Nonylphenol, nonylphenol ethoxylates, TNPP, Alkylphenols etoxylated (APEO) | Reg. (EC) No 1907/2006, Annex XVII |
| Ozone depleting substances: chlorofluorohydrocarbons (CFC, HCFC) | Regulation (EC) No 1005/2009 |
| Perfluorooctane sulfonates (PFOS), Perfluorooctanoic acid (PFOA) | Reg. (EC) No 1907/2006, Annex XVII |
| Persistent Organic Pollutants (POP) | Regulation (EC) 850/2004 |
| Pesticides, Herbicides | Regulation (EC) No 1107/2009 |
| Phthalates (e.g. DEHP, DBP, BBP, DINP, DIDP, DIBP, DNOP, etc.) | Reg. (EC) No 1907/2006, Annex XVII; Directive 2011/65/EU "Restriction of Hazardous Substances, RoHS"; Directive 2015/863/EU |
| Polychlorinated biphenyls, polychlorinated terphenyls (PCB, PCT) | Reg. (EC) No 1907/2006, Annex XVII |
| Polycyclic aromatic hydrocarbons (PAH) | Reg. (EC) No 1907/2006, Annex XVII |
| Polybrominated-diphenyl compounds (PBB, PBDE incl. penta- octa- and deca-BDE) | Directive 2011/65/EU "Restriction of Hazardous Substances, RoHS", GB/T 26572-2011 (China RoHS); GB/T 30512—2014 (China ELV) Reg. (EC) No 1907/2006, Annex XVII |
| PVC, PVDC, vinyl chloride monomer (VCM) | --- |
| Radioactive substances | Council Directive 2013/59 |
| Recycled materials | --- |
| Tin organic compounds (MTB, DBT, TBT, etc.) | Reg. (EC) No 1907/2006, Annex XVII; 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 (EC) 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: these laws and their amendments represent our applicable regulatory reference in case of claims.

Compliance with specific Regulations

The Flexirene grades comply 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/EC and by the EMEA guideline 410/01 rev. 3; additives manufactured by raw materials from animal origin are certified as BSE/TSE-free by their suppliers.

Toy safety standards: The products comply 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". These product grades may contain zinc compounds, in a quantity below the migration limit set by the Directive.

The products comply 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.

Proposition 65: we do not intentionally use chemicals listed in Proposition 65 (latest list issued) in the production of our mentioned materials.

GADSL: the products are in compliance with the requirements of the Global Automotive Declarable Substance List (GADSL), 2018 version.

CMR substances: no substances classified in Category 1A, 1B and 2 by Regulation (EC) 1272/2008 is used in the production of these materials.

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.

Reused/Recycled materials: No reused or recycled materials are used in the production of the mentioned Versalis products; Reg. (EC) No 282/2008 is not applicable to our products.

National Chemical Inventories

Flexirene base polymer (Polyethylene) and the additives used in its 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)

New Zealand: Inventory of chemical substances (NZIoC)

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 Exist. Chem. Substances Manufactured or Imported in China (IECSC)

Taiwan: Taiwan Chemical Substances Inventory (TCSI).

Food Contact Status

Flexirene grades comply with the rules in force in Europe, for plastic materials intended for food contact applications (Regulation (EC) n.10/2011 and following amendments) as well as in other Countries.

Specific statements of compliance are available upon request.

This document is issued by the Product Compliance Dept. of Versalis SpA

Disclaimer: the information and data presented herein are to the best of our knowledge true and accurate; but no warranty or guarantee, expressed or implied, is made nor is any liability accepted with respect to the use of such information and data. The reference are the applicable regulatory requirements. Please refer to the relevant Safety Data Sheet and to the Technical Data Sheet for additional product's information. Versalis is available to provide specific product statements upon request.

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

TDS, SDS, product leaflets and company certifications are available in www.versalis.eni.com.