

Regulatory Compliance Certification/Declaration

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Food-contact EU

The food simulants to be used for testing migration of constituents of plastic materials and articles intended to come into contact with a single food or specific groups of foods are complied with Commission Regulation (EU) 10/2011 Directives 80/766/EEC, 81/432/EEC, and 2002/72/EC are hereby repealed with effect from 1 May 2011 and monomers and additives used to manufacture this grade are listed in commission Regulation (EU) 10/2011.

Directive 2002/72/EC of August, 6, 2002 as amended by 2004/1/EC, 2004/19/EC, 2005/79/EC, 2007/19/EC, 2008/39/EC and 975/2009/EC relating to plastic materials and articles intended to come into contact with foodstuffs.

This product also meets the relevant requirements of Regulation (EC) 1935/2004 (27/10/2004) on materials and articles intended to come into contact with food.

LG declares that there is no substance with specific migration limit (SML) in this grade.

We confirm that this product fulfils the requirements on substances used for the manufacturing of materials and articles or components of articles intended to come into contact with food as described in.

Austria

: Kunststoffverordnung Nr. 476/2003 and Änderungen 242/2005, 452/2006, 325/2007 and 140/2009

Belgium

: Koninklijk Besluit - Arrêté Royal 3/07/2005 as amended and Arrêté Royal 8/3/2009

Czech Republic

: Regulation of the Ministry of Health N.551/2006 modifying N.38/2001

Denmark

: Bekendtgørelse N. 1068 13/11/2009

England

: "The Plastic Materials and Articles in Contact with Food (England) Regulations 2009" , Statutory Instrument 2009 n.205

Finland

: KTM Asetukset 953/2002, 141/2005, 181/2005, 762/2006, 1065/2007 ja 10/7/2009

France

: Brochure N°1227 Edition 2002, Arrêté du 02/01/2003, Arrêté du 29/03/2005, Arrêté du 09/08/2005, Arrêté du 19/10/06, Arrêté du 25/4/2008 et Arrêté du 19/11/2008

Germany

: Applicable BfR

Greece

: AXE Decision n.458/2003 modified by Decision n. 454/2008

Ireland

: S.I. No. 587 of 2007, as amended by S.I. No.88 of 2009

Italy

: Decreto Ministeriale 21/03/1973 and subsequent amendments including D.M. of 23/4/09, N° 144

Luxembourg

: "Reglement Grand-Ducal" n. 163 du 05/11/2008

Netherlands

: Warenwetregeling Verpakkingen en gebruiksartikelen 2.2.1 Bijlage Deel A, Hoofdstuk O (General requirements) & Hoofdstuk I (Plastics)

Norway

: Sosial-og helsedepartementets forskrift of 21/12/1993, n° 1381

Portugal

: Decreto Lei N. 29/2009 of 2/2/2009

Spain

: Real Decreto N.118 31/01/2003 modified by Real Decreto N.103/2009 of 06/02/2009.

Sweden

: Food regulation LIVSFS 2003:2 as amended by LIVSFS 2009:2.

Switzerland

: BGVO 817.023.21 of 23 November 2005, as amended.

Food-contact US

This product is in compliance with Code of Federal Regulations, issued by Food and Drug Administration (FDA), paragraph 21 CFR 177. 1520 (c) (olefin polymers).

Extraction, soluble experiments have shown that extraction limits specified for use in articles used for packing or holding for cooking were not exceeded.

- US : CONEG regulation

Food-contact China

This product is in compliance with Chinese **GB regulation (GB 9691-88)**,

The test of extraction, sensory test, weight loss during desiccation and incineration residue was passed.

See below SML list of component based on GB 9685-2088.

Food-contact Mercosur

We hereby confirm that this product is in compliance with **Mercosur** food contact regulation.

(Mercosur food contact is complied with EU Commission Regulation 10/2011.)

Heavy metals : RoHS

This product meets the relevant requirements of the following Directive 2002/95/EC (revised December, 8, 2010) as amended.

The following materials,

Heavy metals

- Cadmium (Cd)
- Lead (Pb)
- Mercury (Hg)
- Hexavalent Chromium (Cr VI)

Flame Retardants

- PBBs
- PBDEs

are not used intentionally added in the production of the resin.

Phthalates

Phthalates are not used as additives or raw materials in the manufacture of our product. This information only applies to the material and does not cover any additives, pigments and etc., subsequently included by the converter.

NO.	Substance Name	
1	DEHP	Di (2-ethylhexyl) phthalate
2	DBP	Di-butyl phthalate
3	BBP	Benzyl butyl phthalate
4	DINP	Di-isononyl phthalate
5	DIDP	Di-isodecyl phthalate
6	DNOP	Di-n-octyl phthalate
7	DNHP	Di-hexyl phthalate
8	DMP	Di-methyl phthalate
9	DEP	Di-ethyl phthalate
10	DIBP	Di-isobutyl phthalate
11	DPP	Di-pentyl phthalate
12	DCHP	Di-cyclohexyl phthalate
13	DNNP	Di-n-nonyl phthalate
14	DEEP	Bis (2-ethoxyethyl) phthalate
15	DBEP	Bis (2-n-butoxyethyl) phthalate
16	BMPP	Bis (4-methyl-2-pentyl) phthalate
17	DPhP	Di-phenyl Phthalate
18	DMEP	Di-methoxyethyl Phthalate

REACH

All the information introduced in this document is a delivery information provided by our suppliers for our products.

1. Pre-registration

- As an only Representative of us, LG Chem Europe GmbH have completed the pre registration of substances in our products.
- The disclosure of the pre-registration number is optional and non-obligatory under REACH and due to our policy , we do not disclose pre-registration number we have competed.

2. Registration

- LG Chem has completed the pre-registration for our substances, and also completed the registrations of our own substances that we have manufactured by ourselves, without any violation of their deadlines for our EU export tonnage.
- The substance suppliers of LG Chem have reported that they have registered their substances, following their deadlines for our EU export tonnage.

SVHC

We confirm and acknowledge the Candidate List of Substances of Very High Concern for authorization (Updated on 15.06.2015, which includes 2 new Substances of Very high Concern added to Candidate List, that already contained 165 substances) according to the European regulation regarding Registration, Evaluation, and Authorization, of Chemicals (REACH) and in accordance declare the following :

We hereby declare that, none of chemical substances included in the most updated Candidate List

([See link to candidate list of substances of very high concern for authorization](#) updated on 17.12.2015)

This statement is based on our current level of knowledge and covers commercial and experimental resins supplied by LG Chem at the date of issue. Since conditions of use are outside of LG Chem's control, LG Chem makes no warranties expressed or implied, and assumes no liability in connection with any use of this information.

GMP

The production and processes of this grade have been complied with ISO 9001 - quality management system for food contact.

The statement of quality assurance, quality management and document management system of ISO 9001 is same as those of regulation (EC) No 2023/2006 on Good Manufacturing Practice (GMP) for materials.

Dual Use Additives

This material doesn't contain one or more intentionally added dual use additives which are subject to disclosure of adequate information as described in Regulation (EC) No 1935/2004 and Commission Regulation (EC) No 450/2009 of 29 May 2009 on active and intelligent materials and articles intended to come into contact with food.

The requirements of Regulations (EC) No 1333/2008 of the European Parliament and of the Council of 16 December 2008 on food additives of (EC).

Dual use additives subject to restrictions in food as defined in Regulation 10/2011/EC are not intentionally used in the manufacture of or formulation of this product.

PPW

This product is under the limit set (100ppm) for heavy metals defined as lead, cadmium, Mercury and chromium (VI) as defined by EU Directive 94/62/EC concerned with Packaging and Packaging Waste (PPW).

Bisphenol A

10/2011/EU Commission regulation in contact with foodstuffs into plastic materials and objects (effect from 1/5/2011) modified 321/2011/EU Enforcement Commission Regulation (1/4/2011) of Bisphenol A - plastic bottles for babies in restrictions on the use of the regulation.

This product meets the relevant requirements of Regulation 321/2011/EU and does not contain or not be intentionally added to Bisphenol A.

Dimethylfumarate

In compliance with EU Commission Decision 2009/251/EG on the prohibition of Dimethylfumarate, this product does not contain or not be intentionally added to Dimethylfumarate.

Epoxy derivatives

BADGE [2,2-bis(4-hydroxyphenyl)propane bis(2,3-epoxypropyl) ether],

BFDGE [bis(hydroxyphenyl)methane bis(2,3-epoxypropyl) ether],

NOGE [novolac glycidyl ether]

as defined in Directive 2002/16/EG amended by 2004/13/EG and 2001/61/EG, repealed by the Regulation 1895/2005/EG.

These substances are not used as additives or raw materials on the manufacture process of this product.

CMR

CMR is Carcinogenic, Mutagenic or toxic to Reproduction in the EU's Registration, evaluation, authorization and restriction of chemicals law.

None of the additives used on the manufacture process of this product which is classified as dangerous to the environment with the Directive 67/548/EWG (adapted to technical progress for the 29th time by Directive 2004/73/EC).

Notice

It is the responsibility of customers to check if the product supplied by LG Chem and articles made out of it is suitable for the intended use and comply with all applicable regulations and requirements.

This declaration is restricted to LUCENE SM800 HDPE as it leaves the Production facilities.

It does not cover

- any substance subsequently added by the converter,
- poor material or end product due to inexpert manufacture by the converter,
- any negative influence of the finished article on the organoleptic properties of the packaged food.

As the above-mentioned Regulations develop continuously, our declarations will be adapted accordingly.

LG Chem, Ltd.

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REACH Certificate



Product

HDPE SPECIAL MOLDING SM800
mPE 25KG BAG

Grade

HDPE SPECIAL MOLDING SM800
mPE 25KG BAG

Issue date

20170120

Address : 760, Joongheungdong,
Yeosusi, Jeonlanamdo, KOREA (REP)

Issued by : QA Team

Fax : 82-61-689-3286

Tel : 82-61-689-3471

This product, supplied by LG Chem, Ltd., is compliant with EC Regulation 1907/2006 (REACH) as all substances which the Product is composed of;

- are excluded from the Regulation; and/or
- are exempted from registration; and/or
- have been pre-registered/registered by LG Chem Europe GmbH as an Only Representative ("OR") of LG Chem, Ltd. and/or by OR of its material suppliers.

- OR of LG Chem, Ltd. -

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Frankfurt Am Main, Germany
Contact person: Woonmo Sung
Telephone: +49-69-710-445-116
E-mail: woonmo@lgchem.com

The disclosure of the reference number is non-obligatory under the REACH and due to our policy, we do not provide the reference number of the pre-registration/registration.

LG Chem, Ltd.

< IMPORTANT NOTICE >

The statements herein are believed to be reliable to the best of our knowledge and to be current as of the date stated above. Please be advised that the statements herein are provided based on the information available to us from our material suppliers as of the date of issue. Because use conditions and applicable laws may differ from one location to another and may change with time, users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any products.