



**Regulatory Affairs Product Stewardship Information /
Certification Data Sheet
(RAPIDS)**

Hifax CA 721 GW

Product Manufacturer

This product is manufactured by Basell Europe.

Chemical Inventories

All ingredients in this product are in compliance with the following chemical inventories:

United States: Toxics Substances Control Act Inventory (TSCA)

Canada: Domestic Substances List (DSL)

Europe: EINECS/ELINCS replaced by REACH

Australia: Australian Inventory of Chemical Substances (AICS)

Korea: Korean Existing Chemicals List (KECL)

Japan: Japanese Inventory of Existing and New Chemical Substances (ENCS)

The Philippines: Philippines Inventory of Chemicals and Chemical Substances (PICCS)

This product has no special requirements under US TSCA (e.g. consent orders, test rules, 12(b) requirements, etc.).

Regulation 1935/2004/EC

This product is suitable to come into contact with food as provided below in our statement related to Directive 2002/72/EC. Basell maintains purchase, sales and manufacturing records adequate to meet the requirements of Traceability (art.17).

Food Contact

European Union (EU) Food Contact

The composition of this product complies with the following Legislations, Recommendations or Communications for the production of food packaging.

AUSTRIA: "K.V.O." N.476/2003 as amended at last by BGBl - Teil. II - N.325/2007

BELGIUM: "Arrete royal du 5 juillet 2006 (amending Arrete royal du 11 mai 1992 and modifying "Arrete royal du 3 juillet 2005")

DENMARK: Bekendtgørelse N. 1102 (09/11/2006).

FINLAND: "KTM", Paatos 953/2002 of 12.11.2002 (amended by 181/2005 of 10.03.2005)

FRANCE: "Materiaux au contact des aliments et de denre destine a l'alimentation humaine" Brochure n.1227 edition Janvier 1994 as updated.

Arrete du 02 Janvier 2003 (as modified at last by Arrete 19/11/2008).

GERMANY:

Bedarfsgegenstaendeverordnung- 30 November 2006 (BGBl I S.2730)

BfR Recommendation IX (last update)

GREECE: AXE Decision n.458/2003 modified by Decision n.330/2005

IRELAND: Statutory Instruments N.542 of 2002.

ITALY: "Decreto Ministeriale del 21/03/1973" amended on 26/4/1993 : D.M. N.220 and following updates (last update: D.M. of 23/04/2009).

LUXEMBOURG: "Reglement Grand-Ducal" du 27/01/2001.

NORWAY: "Kongelig resolusjon" of 11 March 1976 and updated 21/12/1993 N.1381 (Chapter II, Section 11)

PORTUGAL: Decreto-Lei n.º 197/2007 de 15 de Maio, amended by Decreto-Lei n.62/2008 de 31 de Março

SPAIN: Real Decreto N.118 31/01/2003 modified by Real Decreto N.866/2008 of 23/05/2008.

SWEDEN: Food regulation LIVSFS 2003:2 as amended by LIVSFS 2006:20.

THE NETHERLANDS: " Staatscourant n.114 of 15.06.2006.

ENGLAND: "The Plastic Materials and Articles in Contact with Food (England) Regulations 2008," Statutory Instrument 2008 No. 916"

SWITZERLAND: BGVO 817.023.21 of 23 November 2005, as amended.

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

The monomers used to produce the resin are listed in EU Directive 2002/72/EC and amendments up to Regulation 975/2009/EC.

The additives used to produce the resin are listed in EU Directive 2002/72/EC and amendments up to Regulation 975/2009/EC or in the relevant national legislations.

The additives/monomers for which a QM was imposed by Regulations (if any) are under our own responsibility.

There is a SML specified by regulation for an additive in this resin. To obtain the identity of the additive, contact Basell.

A substance present as impurity of a "technical support agent" used in this product has a SML. Substance PM/REF: 74880.

The concentration of the substance in the polymer is <0,05%.
For further details see below under "phthalates".

Processing aid

There could be two processing aids used in this product which have SMLs.

EU Directive 2002/72/EC and amendments up to Regulation 975/2009/EC, which applies to all EU Member States, specifies 10 mg/dm² as the maximum overall migration from finished plastic food contact articles. This is the responsibility of the converter.

In accordance with EU Directive 2002/72/EC and amendments up to Regulation 975/2009/EC the migration should be measured using the actual foodstuff or the appropriate food simulants at the real time/temperature conditions of use, according to the rules specified in EU Directives 97/48/EC (amending 82/711/EEC) and 85/572/EEC.

We remind you that the users must verify that the finished items, manufactured according to good technology practice, must not modify the organoleptic properties of the food.

US Food and Drug Administration (FDA)

The base resin in this product meets the FDA requirements contained in the Code of Federal Regulations in 21 CFR 177.1520(a)(3)(iii) and (c)3.4. According to our information, all other ingredients used in this product meet the requirements of their respective FDA regulations and 21 CFR 177.1520(b). However, due to the limitations of one ingredient, this product cannot be used at temperatures above 212°F. This product meets the FDA criteria for food contact applications, temperatures not to exceed 212°F, listed under conditions of use B through H in 21 CFR 176.170(c), Table 2. However, this product can only be used in contact with food types I, II, III, IV-B, VI, VII, VIII and IX listed in 21 CFR 176.170(c), Table 1.

Tallow

Tallow derived additives are not intentionally used in the manufacture of or formulation of this product.

Bovine Spongiform Encephalopathy (BSE)/Transmissible Spongiform Encephalopathy (TSE)/"Mad Cow"

STATEMENT ON THE USE OF TALLOW DERIVATIVES FOR FOOD CONTACT PLASTICS (AS AGREED UPON BY APME (NOW PIEUR) MEMBER COMPANIES)

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. These products (fatty acids, fatty alcohols, metallic soaps, fatty amines, fatty amides, fatty acid esters, glycerine) are incorporated into plastics as lubricants, slip agents, anti-static agents as well as emulsifiers, anti-oxidants or corrosion inhibitors. They are primarily extracted from tissues of ovine or bovine origin. The tallow derivatives used for the production of our plastics materials undergo a series of severe process steps during manufacture:

Normally, pre-treatment of tallow and/or animal fat with strong acids

Hydrolytic cleavage at temperatures above 200 C, under pressure, for more than 20 minutes, yielding glycerine and fatty acids

Transesterification of the fatty acids with methanol at temperatures above 200 C, under pressure, for more than 20 minutes, yielding fatty acid methyl ester

Reduction of fatty acid methyl esters with hydrogen at temperatures above 200 C, under high pressure, for more than 20 minutes, yielding fatty alcohols

According to the revised opinion of the EU Scientific Steering Committee on the Safety of Tallow (June 2001) and the recommendation for inactivation of TSE included (among others) in the Commission

Directive 2000/6/EC, in the updated report of APAG of April 2001 and also in the Regulation (EC) N.1774/2002, the above-mentioned treatments do ensure a complete inactivation of any TSE/BSE agent regardless of the source and type of material. The additional exposure of the plastic materials to temperatures ranging from 150 deg. C to 300 deg. C during 30 seconds up to several minutes, both at the compounding step and in the final conversion process, represents an additional safety factor ensuring the complete protection of people's health in respect of TSE/BSE for plastic materials used in contact with food.

The tallow derived raw materials used in this product fulfill the requirements laid down in the Note for Guidance, EMEA/410/01,rev.2, part 6.4 (Tallow Derivatives).
Our suppliers declare that the tallow derivatives are Category 3 materials and are manufactured under the conditions given in the aforementioned Note for Guidance.

Kosher

We do not certify our resins to be Kosher or in compliance with Kosher requirements.

European Pharmacopeia (EP)

This product cannot be certified for compliance to EP requirements.

Drug Master File (DMF)

Information on this product is not listed in a DMF.

US Pharmacopeia (USP)

This product cannot be certified for USP.

Latex

"Natural rubber latex", "dry natural rubber", "synthetic latex" or "rubber that contains natural rubber" are not used in the manufacture of or the formulation of this product.

Contact with water for human consumption

National Regulations for plastics to produce pipes and fittings in contact with drinkable water are in place in a few Countries like Italy (Decreto N.174/2004);Germany (KtW);The Netherland (Kiwa);France (Arrete 29.5.1997 and 24.6.1998). As regard to the composition of plastics to produce the above items, all countries refer to the respective regulations in place for plastics in contact with food. As Directive 2002/72 is in place in all EU Countries, the certification of compliance to this Directive (as implemented),given in another part of this document,is including also plastics for drinkable water applications.

This product, having passed the tests of effect on water quality,is suitable for use in contact with potable water. A reference to the product is included in the Material section,Part Two,of the Water Fittings and Materials Directory under Section 5265 with WRAS No: 0911501 for cold water use only
Please, check the eventual restrictions for use given in the WRAS Directory.

Heavy metals (ELV Directive 2000/53/EC and its following amendments)

The quantity (statistically evaluated) of Cd, Pb, Cr(VI), Hg present in this grade is deemed below the limits given in Annex II (Note) of the Decision 2005/673/EC of September 20th (amending Annex II of Directive 2000/53/EC) which establishes:

- 0.1% Lead
- 0.1% Chromium
- 0.1% Mercury
- 0.01% Cadmium

Coalition of Northeastern Governors (CONEG)

Cadmium, chromium (VI), lead and mercury are not used in the manufacture of or the formulation of this product. In addition, this product meets the CONEG requirements of less than 100 ppm for total incidental cadmium, chromium, lead and mercury.

European Union (EU) Directive - Packaging and Packaging Waste - 94/62/EC (as amended)

Cadmium, chromium (VI), lead and mercury are not used in the manufacture of or the formulation of this product. This product meets the year 2001 requirements of less than 100 ppm for total incidental cadmium, chromium (VI), lead and mercury. In addition, this product has the potential to be recycled according to these requirements.

Ozone Depleting Chemicals (ODCs)

Class I and Class II ODCs (as defined in Montreal Protocol) dealt in the Regulation 2037/2000/EC and following amendments, are not used in the manufacture of or formulation of this product.

Phthalates

The phthalates for which opinions have been given by EFSA (European Food Safety Authority) and TDI's (Tolerable Daily Intake) established for use in plastics for containers in food applications, are not intentionally added in the manufacture of or the formulation of this product. The phthalates are di-isobutyl phthalate (DIBP), di-(2-ethylhexyl)phthalate (DEHP), di-n-butyl phthalate (DBP), di-iso-decyl phthalate (DIDP), butylbenzyl phthalate (BBP).

In addition, di-iso-butyl phthalate (DIBP) has recently been classified by TC C&L of ECB (Commission Working Group on Classification & Labelling - European Chemicals Bureau) in accordance with the requirements of Directive 67/548/EC (Classification and labelling of dangerous substances), taking into account a NOAEL (No Observed Adverse Effect Level) supplied by European Industry. Based on the NOAEL, the toxicity of DIBP is more than 100 times lower than DNBP's (product assessed by EFSA for use in plastics in contact with food).

Basell is aware of the publicity about phthalate plasticizers. Phthalate plasticizers are in general used in specific non-olefinic resin systems to soften these resins and make them flexible. When phthalate plasticizers are added, they can constitute up to 50% of the resultant plastic material. Basell does not use any plasticizers in the resins it supplies. Polyolefins do not require the use of plasticizers to make them soft and flexible. Those phthalate plasticizers that have been associated with potential health issues, specifically di(2-ethylhexyl) phthalate (DEHP), di-iso-nonyl phthalate (DINP), di-iso-decyl phthalate (DIDP), di-n-butyl phthalate (DBP) and butyl benzyl phthalate (BBP), are not intentionally used by Basell in the manufacture of or formulation of its resins.

All Basell operations are guided by our commitment to be a responsible supplier, always respecting the health and safety of our employees, our contractors, our customers and the community, as well as the quality of the environment in which we live and operate. Basell is a firm supporter of the chemical industry's Responsible Care® program and the Product Stewardship code. Basell supplies polyolefin resins that are safe when used properly for their intended applications.

In keeping with the principles of Responsible Care®, Basell is supporting industry efforts to study chemicals for their potential to cause endocrine disruption.

As for this product, a phthalate compound, diisobutyl phthalate (DIBP), is a minor component of the catalyst system used to manufacture some of the base polyolefin resins. This is typical of polypropylene resins produced with high mileage catalysts. An impurity in the DIBP is di-n-butyl phthalate (DNBP), sometimes referred to as dibutyl phthalate (DBP). During processing, DIBP reacts and converts to two related phthalate compounds diethyl phthalate (DEP) and ethyl isobutyl phthalate. The phthalates are "technical support agents" as defined by European Union Directive 2007/19/EC. None of the four phthalates has been determined to be human carcinogens or endocrine disrupters at the low levels as suggested by environmentalists. Testing of several resins has resulted in the identification of residual phthalates content no more than 10-15 parts per million. Further testing with food simulants, per general conditions of use as established in European Union Directives 2002/72/EC and 82/711/EEC and their amendments, has resulted in phthalate migration not detected at a sensitivity of 20 parts per billion (0,02 parts per million or 0,02 mg/kg).

A SML (Specific Migration Limit) equal to 0,3 mg/kg (300 ppb) has been established in Directive 2007/19/EC for DNBP.

Acrylamide

Acrylamide (CAS number 79-06-1) is not used in the manufacture of or the formulation of this product. However, we do not test this product for acrylamide.

Aromatic Amines

Aromatic amines are not used in the manufacture of or formulation of this product. However, this product has not been tested for these chemical substances.

Asbestos

Asbestos is not used in the manufacture of or formulation of this product. However, this product has not been tested for this chemical substance.

Bisphenol A

Bisphenol A is not used in the manufacture of or the formulation of this product. However, this product has not been tested for this chemical substance.

Dioxin

Dioxin is not used in the manufacture of or formulation of this product. Dioxin is not known to be formed during processing of this product.

Nonylphenol

Nonylphenol and Nonylphenol ethoxylates are not used in the manufacture of or the formulation of this product. However, this product has not been tested for these chemical substances.

Organo-tin Compounds

Tributyl-tin (TBT), dibutyl-tin (DBT), monobutyl-tin (MBT) or any other organo-tin compounds are not used in the manufacture of or the formulation of this product.

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

Polychlorinated Biphenyls (PCBs), Polychlorinated Terphenyls (PCTs), Polychlorinated Naphthalenes (PCNs), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs) and Polybrominated Terphenyls (PBTs)

Polychlorinated biphenyls (PCBs), polychlorinated terphenyls (PCTs), polychlorinated naphthalenes (PCNs), polybrominated biphenyls (PBBs), polybrominated diphenyl ethers (PBDEs) and polybrominated terphenyls (PBTs) are not used in the manufacture of or formulation of this product. However, this product has not been tested for these chemical substances.

Vinyl Chloride and Polyvinyl Chloride (PVC)

Vinyl chloride (CAS number 75-01-4) and PVC resins are not used in the manufacture of or the formulation of this product. However, we do not test this product for these chemical substances.

Regulation (EC) N.1895/2005

BADGE, NOGE and BFDGE are not used in the manufacture of or the formulation of this product according to requirement of Regulation N.1895/2005.

Restriction of Hazardous Substances in Electric and Electronic Equipment (RoHS) - Directive 2002/95/EC, as amended.

At the light of our aknowledge,

- PBDE
- PBB
- Chromium (VI)
- Lead
- Mercury
- Cadmium

are not used nor intentionally added in the production of the resin.

For a coloured grade, pigments/colourants may contain traces of the above heavy metals.

The incidental sum of their concentrations does not exceed the limits established by Decision 2005/618/EC

Composting - CEN Standard prEN 13432

This product is not suitable for composting.

Energy Recovery - CEN Standard prEN 13431

The calorific gain from polypropylene in an energy recovery process is 24 MJ/kg.

Ultimately customers must make their own determination that their use of our product is safe, lawful (except as provided in the above certifications) and technically suitable in their intended applications.

This certificate shall continue in effect for 1 year from its effective date unless it is modified before. If, during such 1 year period, Basell changes the product formulation such that the RAPIDS is no longer accurate, Basell will notify you (normally by e-mail). Basell shall not notify you in case changes in the regulations occur.

Basell recommends that customers continuing to use our product verify status frequently and at least every year from the issue date of the RAPIDS.

Certified by:



Alessandro Medri
Corporate HS&E
Product Safety Manager - Europe
Basell Poliolefine Italia S.r.l.
a LyondellBasell Industries Company
Centro Ricerche "G.Natta"
P.le Donegani, 12
44100 - Ferrara - Italy
Phone : +39 0532 467516
Fax : + 31 107160863
E-mail : alessandro.medri@lyondellbasell.com

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