

Rigidex HD6007S

Dear Madam, Sir,

In response to your request, we are pleased to provide you with the attached Regulatory Certificate issued by INEOS Olefins & Polymers Product Stewardship. It's regularly updated and freely available on line from our website.

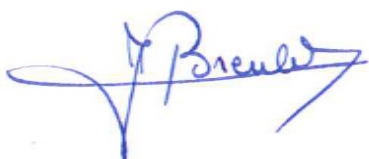
Our policy regarding customer's questionnaire is to ask our customers to look for the information available in the on-line Regulatory Certificate. It indeed contains most of the relevant regulatory information related to our products.

Concerning the absence of specific substances in our grades, we understand your concerns that hazardous chemicals could be present in the products you buy from INEOS. We have therefore already listed at the end of the Regulatory Certificate the most current chemicals whose presence in PP or PE is restricted by an EU Regulation / Directive or any other legislation or even related to health or environment concerns linked to a recent or particular issue.

We take the opportunity to remind you that it is the responsibility of the converter to check the compliance of the final articles with the relevant legislation and applicable regulatory requirements.

Should there however be any specific topic or question unanswered for which you have a particular reason to request a declaration, justified by a legislation, the application or a specific market concern, you can of course contact us and we will then dedicate all our attention to answer you.

Best regards,



Jacques Breulet
Regulatory and External Affairs Manager
INEOS Olefins & Polymers Europe

Product Stewardship - INEOS O&P Europe – Rue de Ransbeek, 310 – B-1120 Brussels

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Regulatory & Product Stewardship Certificate

High Density Polyethylene grade

Food contact EU: Declaration of Compliance (DoC)

EU Declaration of Compliance, Annex IV, Regulation (EU) 10/2011

1. Identity and address of the operator issuing the DoC:

INEOS Services Belgium SA
 Product Stewardship Department
 Rue de Ransbeek 310
 B 1120 Bruxelles Belgium

2. Identity of the business operator which manufactures or imports the plastic:

INEOS O&P Europe
 3, avenue des Uttins
 CH 1180 Rolle Switzerland

3. Identity of the material: see header of the page**4. Date of the declaration:** see footer of the page**5. Confirmation that the plastic material meets the legal requirements**

This grade complies with the relevant requirements of:

- o 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
- o Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food, 321/2011 (1/4/2011), 1282/2011 (28/11/2011), 1183/2012 (30/11/2012), 202/2014 (3/3/2014), 2015/174 (5/2/2015)
- o 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 (**GMP**) as amended

6. Adequate information on the substances used for which restrictions are set out

This grade contains hexene as comonomer which is subject to a Specific Migration Limit (SML) of 3 mg/kg. Modelling results have shown that this SML will never be exceeded in all food simulants A, B, C, D1 and D2.

This grade contains one additive subject to a Specific Migration Limit (SML) of 6 mg/kg. This additive will be disclosed on request. As the conversion process can affect migration, only the converter can guarantee the compliance of his own articles with the above limits.

Indicative modelling results under the new more severe testing conditions 10 days / 60°C, in food simulants A, B, C, D1 and D2, and at a surface volume ratio of 6 dm⁻¹ ('EU cube') indicate that the above SML(s) may be exceeded with food simulants D1 and D2.

The converter is thus advised to run a simulation with his own specific parameters (S/V ratio,



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time/temperature conditions, wall thickness, type of food) or perform a real migration test to verify the compliance of his own articles.

The above grade does not contain any direct food additives.

Indicative overall migration tests carried on this type of polymer on film or thin plaque, under the conditions 10 days / 40°C, in the food simulants A, B and D2 show that the Overall Migration Limit of 10 mg/dm² is not exceeded for this grade.

As the conversion process can affect migration, only the converter can guarantee the compliance of his own articles to the OML.

7. Adequate information relative to the substances which are subject to a restriction in food.

This information will be provided on request as it is related to the substances with SML.

8. Specifications on the use of the material or article.

No other limitation or restriction than those listed in point 6 of this DoC applies to this grade.

9. When a functional barrier is used, confirmation that the article complies with this legislation.

This information does not apply to the plastic manufacturer.

Whereas Ineos Olefins & Polymers Europe supplies to its customers the adequate information to allow them to fulfil their own responsibilities, the converters do have to check and confirm that the final article meets both the technical and regulatory requirements of the application.

Food contact US

Under 21 CFR 177.1520(c)3.1a, this resin may be safely used in articles or components of articles intended for use in contact with food.

All adjuvants used in the manufacture of this resin are cleared for use in 21 CFR 170-189 by specific citation, generally recognized as safe (GRAS), prior sanctioned or under a specific Food Contact Notification (FCN). The finished polymer is limited to Conditions of Use B (excluding cooking) through H as defined in 21 CFR 176.170(c) Table 2.

China

This grade is in compliance with GB9685-2008 "Hygienic standards for uses of additives in food containers and packaging materials".

Toys

The above grade meets the relevant requirements of Directive 2009/48/EC (as amended in 2014/81/EU) and referred Community legal acts, and of the European Standard EN 71-3:2013+A1:2014.



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Phthalates

Phthalates are not used as additives or raw materials in the manufacture of the above grade.

Bovine Spongiform Encephalopathy (BSE) Transmissible Spongiform Encephalopathy (TSE)

No products of animal origin are used as additives or raw materials in the manufacture of the above grade.

Genetically Modified Organisms (GMO)

Among the large variety of polymer additives that we are using, only a few of them may be genetically modified. We would like to comment on the relevance of gene modification techniques to plastic materials. The most significant fact is that the starting substances or additives possibly deriving from genetically modified organisms based materials are manufactured through multi-step conversion and/or purification processes, involving aggressive conditions like high temperature and pressure as well as action of chemically reactive substances. The final plastic materials themselves are produced under high temperature conditions and are further submitted during conversion processes (extrusion, moulding) to high temperature for a significant period of time.

On the basis of current scientific knowledge, it can be stated that no DNA and no proteins from a given organism (genetically modified or not) can resist to such a series of treatments. Therefore, their presence in our polymers and in plastic articles manufactured from them is unexpected.

In conclusion, we confirm that the above grade is safe to be manufactured, processed and used, even if it is manufactured from starting substances or contain additives which may be of genetically modified organism's origin.

RoHS, WEEE, Packaging Waste, EoL Vehicles, CONEG (Heavy Metals)

This grade meets the relevant requirements of the following Directives or Regulations:

- 2003/11/EC as amended
- 2011/65/EU (RoHS) as amended
- 2012/19/EC (WEEE) as amended
- 2000/53/EC (EoL) as amended
- Regulation (EC) 1907/2006, annex XVII, as amended in Regulation (EC) 1272/2008 (CLP), repealing 76/769/EEC, as amended
- 94/62/EC (Packaging Waste Directive) as amended
- USA CONEG Regulation
- France: Décret n°2007-1467 du 12 octobre 2007 and Code de l'environnement, section 5-Emballages, sub-section 1, Articles R 543-42 to R 543-52



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Swiss VOC legislation

This product is in compliance with "Ordonnance sur la taxe d'incitation sur les composés organiques volatils (OCOV) du 12 novembre 1997" as amended, about Volatile Organic Content (VOC).

Ozone layer-depleting agents

Chlorofluorocarbons (CFC's) and substances related to ozone depleting substances (as defined by the MONTREAL PROTOCOL and listed as class I & II substances by the US Clean Air Act) are not used as additives or raw materials in the manufacture of this grade.

None of the prohibited substances listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer (as amended), which repeals and replaces Regulation (EC) 2037/2000, is used as an additive or raw material in the manufacture of the above grade.

Nanomaterials and nanotechnology

Further to the publication of the EU Recommendation 2011/696/EU on the definition of nanomaterials, some substances used for decades as additives in the plastics industry suddenly became nanomaterials. The list includes among others, silica, carbon black and many organic pigments.

When these substances are used as additives in polyethylene or polypropylene, they end up encapsulated into a polymeric matrix and are not intended to be released under normal and foreseeable conditions.

Based on these arguments, the PP or PE products containing such additive(s) are exempt from notification under the French Decree 2012-232 (cfr Q&A n° 20bis on the website of the Ministère de l'Ecologie, du Développement Durable et de l'Energie).

REACH / SVHC

All Polyolefins materials are compliant with REACH Regulation No. 1907/2006.

For further details <http://www.ineos.com/businesses/INEOS-Olefins-Polymers-Europe/SHE/#REACH>.

Inventories

The above product is in compliance with following inventories:

- Australian Inventory of Chemical Substances: AICS
- Canadian Chemical Registration Regulations: NDSL/DSL
- Chinese List on New Chemical Substances: IECS (Inventory of Existing Chemical Substances in China)
- European Inventory of Existing Chemical Substances: EINECS/ELINCS
- Japanese Chemical Substances Control Law under METI: CSCL
- Korean Existing Chemicals List: (K)ECL
- Philippine Inventory of Chemicals and Chemical Substances: PICCS
- US EPA Toxic Substance Control Act: TSCA
- New Zealand HSNO - Hazardous Substances and New Organisms

Absence of substances and chemicals



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None of the following substances are used as additives or raw materials in the manufacture of this grade: However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in this grade.

- Acrylamide
- Alkylphenol Ethoxylates (APEOs)
- Allergens (as defined in Regulation (EU) No 1169/2011, as amended)
- Aromatic amines
- Asbestos
- Azodicarbonamide or semi-carbazide compounds
- Benzophenone, hydroxybenzophenone and 4-methyl benzophenone
- Biocides
- Bisphenol-A (BPA), Bisphenol-F (BPF) and Bisphenol-S (BPS)
- Brominated flame retardants
- Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC), hydrofluorocarbons (HFC)
- Chlorinated Paraffins
- Conflict minerals:
 - Columbite-tantalite (Coltan, Niobium, Tantalum)
 - Cassiterite (Tin)
 - Wolframite (Tungsten)
 - Gold
- Decabromodiphenylether (decaBDE)
- 2-Ethylhexanoic Acid (2-EHA)
- Di(ethylhexyl) adipate (DEHA) and di(ethylhexyl) maleate (DEHM)
- Dimethyl Fumarate (DMF)
- Dioxins and furans
- Endocrine Disruptors listed in the Japanese authority list "Strategic Programs on Environmental Endocrine Disruptors '98 (SPEED '98) - Table-3: Chemicals Suspected of Having Endocrine Disrupting Effects"
- 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/EC amended by 2004/13/EC, repealed by the Regulation 1895/2005/EC
- Epoxidised Soya Bean Oil (ESBO)
- Formaldehyde (formol)
- (Heavy) metals: Antimony, Arsenic, Beryllium, Cadmium, Cobalt, Copper, Hexavalent Chromium, Lead, Mercury, Nickel, Selenium
- Isopropylthioxanthone (ITX)
- Latexes and elastomers
- Melamine and cyanuric acid
- Mercapto mix
- N-ethyl-o,p-toluolsulfonamide (NETSA) (CAS nb 1077-66-1)
- N-ethyl-p-toluenesulphonamide (NE-PTSA) (CAS nb 80-39-7)
- Nonylphenol and its derivatives including Tris(nonylphenyl) Phosphite (TNPP)
- Organo-tin compounds
- Pentabromodiphenyl ether, octabromodiphenyl ether
- Perfluorinated compounds (PFC), Perfluorinated tenside (PFT), Perfluorooctanoic acid (PFOA) & Perfluorooctane sulfonate (PFOS) listed in Directive 2006/122/EC
- Poly(aromatic hydrocarbons) according to US Environmental Protection Agency Method 610 (EPA 610)



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- Polybrominated biphenyls (PBBs), polybrominated diphenyl ethers (PBDEs), polybrominated terphenyls (PBTs)
- Polychlorinated biphenyls (PCBs), polychlorinated terphenyls (PCTs), polychlorinated naphthalenes (PCNs)
- Polycyclic Aromatic Hydrocarbons (PAH)
- Recycled products as defined by Regulation (EC) 282/2008
- Short-chain chlorinated paraffins
- Silicone
- Tert-butyl-4-hydroxyanisole (BHA) and 2,6-di-tert-butyl-p-cresol (BHT)
- Thiuram mix
- Titanium Acetyl Acetone (TAA)
- Triclosan (2,4,4'-trichloro-2'-hydroxydiphenyl ether) (CAS nb 3380-34-5)
- Vinyl chloride monomer (VCM) and its polymers or copolymers (PVC, PVDC, ...)
- Substances listed in:
 - California Proposition 65 State regulation as amended
 - GADSL, "Global Automotive Declarable Substance List", as amended
 - IKEA Specification, IOS-MAT-0010, chapter 3 & 6, as amended
 - IKEA Specification, IOS-MAT-0054, as amended

This certificate will be updated when appropriate. Therefore, it is recommended to visit our website at least once a year.

It is the responsibility of the customer to check the suitability of the finished article for the intended application and its compliance with the relevant legislation and applicable requirements including their restrictions.



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