

## Product Stewardship Information Sheet

### 'Advanced' Polypropylene Homopolymer

#### Product Manufacturer:

This product is manufactured by Advanced Petrochemical Company ('Advanced'), KSA

#### FOOD Contact:

#### Regulation (EU) No. 10/2011: Food Contact Applications:

This product complies with Regulation (EU) No. 10/2011 (including its amendments as of date) for food contact applications.

The monomers and additives used to produce this product are also included in the positive lists of Regulation (EU) No. 10/ 2011.

No dual use additives subject to a restriction in food are used to produce this resin.

Regulation (EU) 10/ 2011 which applies to all EU Member States, specify 10 mg/dm<sup>2</sup> as the maximum overall migration from finished plastic food contact articles. This is the responsibility of the converter.

In accordance with EU Regulation No. 10/ 2011, the migration should be measured using the actual foodstuff or the appropriate food stimulants at the real time/temperature conditions of use, according to the rules specified in EU Directives 97/48/EC (amending 82/711/EC) and 85/572/EC.

The product also complies with Regulation 1935/2004/EC, GMP Regulation 2023/2006/EC, Restriction of use of certain epoxy derivatives 1895/2005/EC, Absence of Allergens 2007/68/EC, no use of allergens as reported into Regulation (EU) No 1169/2011 annex II and Absence of GMO, Absence of recycled materials as per definition of Regulation 282/2008/EC.

The product also complies with Regulation 2023/2006/EC (GMP) and to this compliance 'Advanced' has standards in place such as ISO 9001:2008 which regulate production and production related activities.

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

#### FDA Compliance:

The product also complies with Food and Drug Administration (FDA), Regulation 21 CFR 177.1520 Olefin Polymers. All ingredients used in this product meet the requirements of their respective FDA regulations and 21 CFR 177.1520 (b).

The product is considered as suitable for use in articles that contact food, including cooking , under conditions listed under 21 CR 176.170c , Table 2 ,A through H , and can be used in contact with all types of food as listed in 21 CFR 176.170c ,Tab.1.

#### REACH (Regulation (EC) No. 1907/2006:

Substances of Very High Concern (SVHC):

The substances, which are contained in the product, and require registration, also comply with REACH requirements and Substances of Very High Concern (SVHC) updated as of 12/01/2017. As per our records, polypropylene resin produced by 'Advanced' does not contain a candidate listed substance at > 0.1 wt. %. Also, to the best of our knowledge, none of these materials are generated during production. Because we do not expect these materials to be present, we do not run any analysis on our raw materials or our finished products to

measure for these materials. The substances of very high concern (SVHC) are not added intentionally during manufacturing process of this product.

### Chemical Inventories:

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

United States:	Toxic Substances Control Act Inventory (TSCA)
Canada:	Domestic Substances List (DSL) – Non Domestic Substances List (NSDL)
Europe:	European Inventory of Existing Commercial Chemical Substances (EINECS) European List of Notified Chemical Substances (ELINCS)
Australia:	Australian Inventory of Chemical Substances (AICS)
Korea:	Korean Existing Chemicals List (ECL)
Japan:	Japanese Existing and New Chemical Substances (ENCS)
The Philippines:	Philippines Inventory of Chemicals and Chemical Substances (PICCS)
China:	Inventory of Existing Chemical Substances Manufactured or Imported in China (IECSC)
New Zealand:	New Zealand Inventory of Chemicals (NZIoC)

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

### ROHS Directive 2002/95/EC & 2011/65/EU:

The product complies with directives 2002/95/EC & 2011/65/EU (ROHS) and the substances mentioned in the directive 2002/95/EC & 2011/65/EU (ROHS), are not intentionally introduced and are not related to the manufacturing process of the product.

### Directive 94/62/EC: Packaging and packing waste

The product complies with above referred Directive 94/62/EC and its amendments in force. 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, the product has the potential to be recycled according to these requirements.

### Phthalates:

The product complies with Regulation (EU) 10/2011/EC. Plasticizers such as phthalates are not used in the manufacture of or the formulation of this product. However, di-butyl phthalate (DBP) as minor component of the catalyst system (a 'Technical Support Agent' as defined by European Union Directive 2007/19/EC) could be used to manufacture this product. This is typical of polypropylene resins produced with high mileage catalysts. Historical testing with food stimulants demonstrated residual phthalates found to be less than 0.3 ppm which is the detection limit of the analytical method used.

### Declaration on California Proposition 65 (update on 21/10/2016):

The monomer and additives incorporated comply with California Proposition 65 (updated as on 21/10/2016). The product represents 'no significant risk' for cancer to the people of California. The product contains no substances known to the State of California to cause reproductive toxicity at a level of exposure subject to the requirements of Proposition 65.

### Tallow:

Tallow derived additives may be used in the manufacture of this product.

### Kosher:

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

**European Pharmacopeia (EP):**

This product has not been tested for E.P.

**Drug Master File (DMF):**

Information on this product is not listed in a DMF.

**US Pharmacopeia (USP):**

This product has not been tested for USP Class VI.

**Latex:**

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

**Polycyclic Aromatic Hydrocarbons (PAHs):**

We do not intentionally use the following polycyclic aromatic hydrocarbons (PAHs) in the manufacture of or formulation of this product.

**Regulation (EC) N.1895/2005:**

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

**Composting - CEN Standard prEN 13432:**

The 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.

This Product Stewardship Information (PSI) sheet is intended for informational purposes only. **Advanced Petrochemical Company** makes no representations or warranties with respect to the accuracy or completeness of the information contained herein. The information provided in this document applies to the product mentioned above as it leaves the production facility of **Advanced Petrochemical Company** and does not cover any additive, pigment, or any other third party material, subsequently included by the convertor.

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. Because of possible changes in the law and in regulations, we recommend that customers continuing to use our product verify status every year from this date.

Certified by:



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