

Refining & Chemicals

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LETTER 20-ARP-L-0001

Feluy, August 05, 2020

POLYSTYRENE IMPACT 3630 Grade as produced in Europe
Statement of compliance for Food Contact Materials and Articles in China:
National Food Safety Standard GB 4806.1-2016:

To the best of our knowledge we confirm that **POLYSTYRENE IMPACT 3630** has been manufactured according to the requirements laid down by the General Hygiene Norm **GB 31603-2015**.

National Food Safety Standard GB 4806.6-2016:

We confirm that **POLYSTYRENE IMPACT 3630** (or a specimen representative of this material) fulfils the requirements of the *sensory index (item 4.2) and Physical and Chemical Indexes (item 4.3)*.

#	Ingredients with Restriction	CAS RN®	Generic Name	Restrictions in GB4806.6
				SML/QM* (mg/kg)
23	Styrene polymer with 1,3-butadiene	-	PS	ND (butadiene, DL = 0.01 mg/kg: SML) or 1 (butadiene: QM); 0.3% (ethylbenzene:QM); 0.5% (styrene: QM)

National Food Safety Standard GB 9685-2016:

We confirm that any and all intentional additives(*) used in the manufacturing of **POLYSTYRENE IMPACT 3630** sold and supplied by TOTAL Refining and Chemicals, are listed in the Table A.1 in GB 9685-2016 for use in PS, The National Food Safety Standard for Uses of Additives in Food Contact Materials and Articles; specifically:

The dosages of these additives added in **POLYSTYRENE IMPACT 3630** are below the maximum dosage permitted by GB 9685-2016. There is (are) a (some) substance(s) used in the formulation of this product for which a Specific Limit of Migration (and/or Maximum Permitted Quantity specification) has been set in GB 9685-2016.

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#	Ingredients with Restriction	CAS RN®	Restrictions in GB9685-2016	
			Maximum Level in PS (%)	SML/QM* (mg/kg)
FCA0921	1,3-Butadiene, homopolymer	9003-17-2		For 1,3-Butadiene: 1 (QM) ND (SML, DL=0.01)
FCA1298	Fatty acids, C16-18, zinc salts	557-05-1; 91051-01-3	3	25 (SML)**
FCA0576	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-octadecyl ester	2082-79-3	0.5	6 (SML)
FCA0165	Phenol, 2,6-bis(1,1-dimethylethyl)-4-ethyl-	4130-42-1		4.8 (SML)
FCA0278	Phenol, 2-methyl-4,6-bis[(octylthio)methyl]-	110553-27-0	0.2	5 (SML)***
FCA0318	Propanoic acid, 3,3'-thiobis-, 1,1'-didodecyl ester	123-28-4	0.5	5 (SML)****
	Lithium			0.6 (SML)

*: SML: Specific Migration Limit; QM: Maximum permitted quantity to remain in the food contact materials and products

** : expressed as Zinc (Zn) in Annex C of GB 9685-2016

***: expressed as the sum of the substances in SML(T) group 24

****: expressed as the sum of the substances in SML(T) group 14

Proprietary Substances:

For the proprietary substances as listed in the GB9685-2016, we will supply the TOTAL REFINING & CHEMICALS proprietary information needed to perform the migration measurements/analyses upon request. The downstream user must contact us for additional, and you must inform the downstream user accordingly.

It pertains also to downstream users to check by appropriate specific migration tests on the final material or article the suitability for contact with different food-types and various end-use conditions. However these are beyond the control of TOTAL REFINING & CHEMICALS and are a part of the responsibility of the user of the above-mentioned Product.

Moreover we inform you that the specific migration result is influenced by the conditions of use e.g. temperature, type of packaged foodstuff (fatty food, aqueous food, thickness). Consequently the packaging has to be controlled following the specific end-use conditions of use.

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POLYSTYRENE IMPACT 3630 Grade as produced in Europe**National Food Safety Standard GB 2760-2014:**

We inform you that some additives(*) used in the manufacturing of **POLYSTYRENE IMPACT 3630** sold and supplied by TOTAL Refining and Chemicals, are listed in the GB 2760-2014, The National Food Safety Standard for Uses of Food Additives.

Restrictions in GB2760-2014			
Ingredients with Restriction	CNS	INS	Maximum quantity in the above mentioned polymer (ppm)
Calcium Stearate	10.039	470	50

Note:

This document does not automatically apply to subsequent revisions of the China GB 4801.1-2016 National Food Safety Standard General safety requirements for Food Contact Materials and Articles, GB 4801.6-2016 National Food Safety Standard General for resins used to make Plastics in Contact with foodstuffs, GB 9685-2016 National Food Safety Standard for Uses of Additives in Food Contact Materials and Articles and GB 2760-2014 National Food Safety Standard for Uses of Food Additives. Further revisions will be evaluated by Total Research & Technology Feluy at the time of publication of revisions.

The information provided herein are based on the best available data that we believe to be reliable and to the best of our knowledge, which will apply only to the specific **POLYSTYRENE IMPACT 3630** sold and supplied by TOTAL REFINING & CHEMICALS and do not apply to any use in any process or in combination with any other material.

Definition:

(*) Additives according GB 9685-2016 are substances used during the production process of food contact materials and products intended to or assisting to improve the quality and characteristics; also include the processing aids added during the production process of the food containers and packaging materials to assist the production process but not intended to improve the quality and characteristics of end products.

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DISCLAIMER:

Our certificate is only valid for as far as above mentioned Product was bought from Total or its distributor and does not cover:

- Any modification of the above-mentioned Product by any addition of any other product or ingredient to it;
- Any prejudicial modification of the above-mentioned Product resulting from a processing of it;
- An inadequate use and/or storage of the above-mentioned Product and/or of the finished articles.

Unless specifically indicated in a regulatory certificate of compliance, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. Under no circumstances are any products sold by Total Refining and Chemicals suitable for human or animal in the following applications: (i) Implantable devices intended for human or animal body (ii) Devices intended to be used in contact with internal body fluids (iii) Devices intended to be used in contact with internal body tissues.

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use.

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The present certificate is valid for a period of eighteen months starting from the date first above written. Upon the expiration of this certificate, we can issue a new one at your request. In case of change during this period a new certificate will be issued automatically; kindly forward it to any recipient of the present certificate.

TOTAL RESEARCH & TECHNOLOGY FELUY

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Issued by an electronic system