

近期塑化劑事件對本港製造業 及消費者的影響及前瞻

了解香港消費品塑膠包裝
及容器的phthalates使用狀況

嚴兆葭先生
香港塑料袋業廠商會首席顧問

Our daily food plastic packaging materials, especially plastic bags

- Mainly made of Polyolefins
- Polyolefins are Polyethylene (聚乙烯PE) and Polypropylene (PP聚丙烯)
- they are very safe food contact packaging materials !

Other commonly used food plastic packaging materials

- Polystyrene 聚苯乙烯 (PS, HIPS): Yogurt packaging
- Polyamide 尼龙 (PA, Nylon) : Cold meat packaging
- PET : water bottles
 - All of them also do not use Plasticizers, DEHP, DIMP, DIBP....etc.



S P D C LTD.

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YOUR REF.

OUR REF. C-610/ 2011
PLEASE QUOTE

13th June, 2011

CERTIFICATION

This is to certify that Di(2-ethylhexyl)phthalate = DEHP and Diisopropyl Methylphosphonate = DIMP are not intentionally used or added to QAMAR FC21HS, FD21HS and F1 which are Polyethylene produced by Eastern Petrochemical Company "SHARQ".

Impurities contained in monomers, additives and catalyst components are beyond the scope of this certification.

This certification is the latest version and replaces all previous ones which relate to the same subjects.

香港塑料袋業廠商會

Hong Kong Plastic Bags Manufacturers' Association

What is affecting us lately and why plasticizer are detected plastic packaging?

- Only PVC plastic materials use a lot of plasticizer during its production, especially, Soft PVC
- The function of Plasticizers inside PVC is to increase its softness, to reduce its melting temperate so that it can seal better and increase its stickiness

What is affecting us lately and why plasticizer are detected plastic packaging?

- Cross contamination, for example, PVC is commonly used as packaging materials for decorative functions, such as labels.
- During manufacturing, PVC is a commonly used as low cost industrial materials for transportation belt and vacuum tubes..etc

Other causes

- Plasticizers are also used as additives (at very low level of additions) during raw materials productions.



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Date: 3 June 2011

To Whom It May Concern:

Subject : Letter of confirmation

Phthalate plasticizers specifically 2-ethylhexyl phthalate (DEHP), di-isononyl phthalate (DINP), diisodecyl phthalate (DIDP), dibutyl phthalate (DBP), di-isobutyl phthalate (DIBP), diisooheptyl phthalate (DIHP), di-n-octyl phthalate (DNOP), di-n-hexyl phthalate and benzyl butyl phthalate (BBP) are not intentionally added during the manufacturing of Titanpro Polypropylene resin.

To the best of our knowledge, di-isobutyl phthalate (DIBP) could be a minor component of the catalyst system used to manufacture some of the base polyolefin resins. An impurity of DIBP is di-n-butyl phthalate (DNBP) or sometimes referred to as dibutyl phthalate (DBP). During processing DIBP reacts and converts to diethyl phthalate (DEP) and ethyl isobutyl phthalate. The total phthalate content in this case may contain not more than 25 ppm. It does not exceed the 1000 ppm level as indicated by EU Directive 2005/84/EC.

According to EU Phthalates Directive 2005/84/EC, the restrictions for bis (2-ethylhexyl phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), di-isononyl phthalate (DINP), diisodecyl phthalate (DIDP) and di(n-octyl) phthalate (DNOP) is < 0.1% by mass or < 1000ppm by mass.

This information is provided for general guidance purposes only and we provide no guarantees or warranties in respect of this information and have no responsibility or liability for any use by any third party of this information.

Should you need more information, please contact our Technical Service Department.

The winning key of making your products

- Knowing your market:
 - US vs Europe vs Middle East vs China
- Knowing your suppliers
- Knowing your equipment
- Knowing the sciences

Knowing your market

- US & European Food packaging standard
 - Food containers are set at 1000ppm in migration test, such as ASTM3421-75 & EC no 552/2009
- China GB standard
 - Food containers are set at 1.5 ppm, GB9685-2008 & GB21928-2008

卫生部办公厅关于通报食品及食品添加剂邻苯二甲酸酯类物质最大残留量的函(卫办监督函(2011)551号)

时间：2011-6-22 6:59:00 点击：211

标准查询系统

工业和信息化部、商务部、工商总局、质检总局办公厅，食品药品监督管理局办公室，食品安全办综合司：

邻苯二甲酸酯类物质是可用于食品包装材料的增塑剂，不是食品原料，也不是食品添加剂，严禁在食品、食品添加剂中人为添加。食品容器、食品包装材料中使用邻苯二甲酸酯类物质，应当严格执行《食品容器、包装材料用添加剂使用卫生标准》(GB9685-2008)规定的品种、范围和特定迁移量或残留量，不得接触油脂类食品和婴幼儿食品。食品、食品添加剂中的邻苯二甲酸二(α-乙基己酯)(DE-HP)、邻苯二甲酸二异壬酯(DINP)和邻苯二甲酸二正丁酯(DBP)最大残留量分别为1.5mg/kg、9.0mg/kg和0.3mg/kg。

卫生部办公厅(公章)

二〇一一年六月十三日

Knowing your suppliers

- Never assume they pass, even they are big company, they may fail. Always ask
- For example, your PP suppliers,
 - Only Sinopec in the world have a patent on non-plasticizer DIBP catalyst on the market

Knowing your equipment

- Pay attentions to your equipment, especially your PVC belts, tubes. Change them to TPU or other materials
- Avoid Recycle transportation containers

Knowing the science

- Plasticizer is designed to use to increase softness of plastic materials,
- Plasticizer is designed to use to increase stickiness,
 - If you have a project looking materials with these properties, investigate the supplier carefully or seek help from us.

答問時間