

***** EQUATE CONFIDENTIAL *****
Do not share without permission

Date: January 13, 2013

TO WHOM IT MAY CONCERN

We,

EQUATE PETROCHEMICAL COMPANY KSCC, hereby declare that the High Density Polyethylene (HDPE) product identified as

EMDA-6147

When used according to good manufacturing practices and without further modifications for production of materials and articles intended for contact with food complies with the regulatory requirements of the USA and the European Union as follows:

USA

The composition of EMDA-6147 complies with the relevant FDA regulations of 21 CFR 170-189. For maximum hexane extractable and xylene soluble fractions (see Table 1) the product complies with 21 CFR 177.1520 (c) 3.2a.

EMDA-6147 can, therefore, be utilized in articles used for packing or holding food during cooking.

EUROPEAN UNION

The monomers and other starting materials used in the manufacture of EMDA-6147 comply with the new EC Regulation 10/2011 as amended by Regulation 1183/2012 with no specific migration limit (SML) in foods or in food simulants. Global migrates into food simulants are within the prescribed limits (see Table 2).

Accordingly, there are no objections to the use of EMDA-6147 in food contact applications in the following European countries who have implemented Regulation 10/2011 into their national legislation and where the national legislation permits the use of auxiliary substances present in the product:

Austria, Belgium, Denmark, Finland, France, Italy, Germany, The Netherlands, Republic of Ireland, Spain, Sweden, Norway and United Kingdom

SWITZERLAND

The monomers and other starting materials used in the manufacture of EMDA-6147 comply with the Swiss legislation EDI SR 817.023.21 dated 01.04.2010.

The above declaration is based on the knowledge of January 2013. It is made without prejudice to any organoleptic changes, is limited to EMDA-6147 only and does not refer to the suitability of other additional substances that may be used with the product to manufacture the finished materials and articles.

***** EQUATE CONFIDENTIAL *****
Do not share without permission

EMDA-6147

TABLE: 1

TOTAL EXTRACTIVES/SOLUBLES ANALYSIS RESULTS

Maximum Extractable Fraction in N-hexane, %	0.9
Maximum Soluble Fraction in Xylene, %	5.9

The extractives/solubles were determined according to 21 CFR 177.1520 (d) (3)(ii) and (4)(ii).

TABLE: 2

GLOBAL MIGRATES RESULTS

Food Simulant	Test Conditions	Global Migrates (mg/dm ²)
Olive Oil	10d/40°C	< 1.0
Olive Oil	1h/100°C	8.1
3% Acetic Acid	10d/40°C	1.1
3% Acetic Acid	1h/100°C	< 1.0

The global migrates were determined following method DIN EN (DINV ENV) 1186 using all sided contact of film specimens with the simulants.

Saleh Al-Enezi
Technical Service Resource
EQUATE Petrochemical Company (KSCC)

