



SAFETY COMPLIANCE OF WHEYLAYER PRODUCTS



Slovenia, 30.8.2014

MSDS:

For the following WheyLayer materials and products, no Material Safety Data Sheets (MSDS) are required as attested by the official organism MSDS Europe, ToxInfo Consultancy and Service Limited.

| Name of the Product | Company |
|--------------------------------|---------------------------------|
| „Instant“Coating Powder | Meierei-Genossens EG Langenhorn |
| Whey Barrier Laminate | Lajovic Tuba Embalaža d.o.o. |
| Laminate tubes | Lajovic Tuba Embalaža d.o.o. |
| Transparent WheyLayer Laminate | Manufatura Serviplast SA |

Explanation:

“Instant“Coating Powder: this whey coating formulation is based on only safe food additives and by-products, therefore it is considered as a safe product. For such blend, no MSDS is required.

Whey Barrier Laminate: WheyLayer Laminate and derived tubes are considered as article. An article is defined in REACH as ‘an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition’. According to the pertinent regulations, no specific MSDS is required for articles.

Food safety compliance:

Migration tests were carried out according to Regulation (EU) No. 10/ 2011 “on plastic materials and articles intended to come into contact with food“ and the requirements of the standard EN 1186-1 and “Materials and articles in contact with foodstuffs – Plastics”. In Regulation (EU) No. 10/ 2011 the following overall migration limits (OML) are set: 10 mg / dm² of food contact surface, 60 mg / kg food or food simulant (for materials intended for the contact with food for infants and young children).

The following results were delivered by the Institute of public health Maribor certified organism for food contact approval:

| General parameters | Results | Norm | Unit |
|---|---------|------|--------------------|
| Overall migration into 3% acetic acid | <1 | 10 | mg/dm ² |
| Overall migration into 10 vol.% ethanol | <1 | 10 | mg/dm ² |
| Overall migration into olive oil | <4 | 10 | mg/dm ² |

Therefore, WheyLayer-based films, tubes and blisters are safe for use in food contact for all simulants and conditions from refrigerated to room temperature storage including short warming.

Other parameters tested included elements (Zn, Ba, Co, Cu, Fe, Li, Mg), allergenic (milk proteins), primary aromatic amines and volatile organic compounds and also indicated safe use.

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