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Safety assessment of nanocomposite for food packaging application

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48 **Abstract**

49 While competition is intense and innovation is vital in the domain of  
50 nanotechnology, utilisation of nanocomposites in food packaging has become the  
51 most developed area in the food industry. Migration of nanocomponents from  
52 nanocomposite packaging contacting with foodstuffs, is one of the most important  
53 concerns in human exposure to nanomaterials and therefore potential health risks.  
54 Risk assessment of nano-packaging materials provides an unique challenge for food  
55 safety. This article explores the current efforts on migration assessment for  
56 nanocomposites in food packaging, and provides a better understanding of the  
57 existing relevant regulatory setups for protecting public health.

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59 *Keywords: nanomaterial; migration; food packaging; safety assessment; regulatory*  
60 *framework*

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