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National Standards Authority of Ireland

STANDARD

I.S.CEN/TR 13695-2:2004

ICS 13.020.30
55.020

PACKAGING - REQUIREMENTS FOR MEASURING AND VERIFYING THE FOUR HEAVY METALS AND OTHER DANGEROUS SUBSTANCES PRESENT IN PACKAGING, AND THEIR RELEASE INTO THE ENVIRONMENT - PART 2: REQUIREMENTS FOR MEASURING AND VERIFYING DANGEROUS SUBSTANCES PRESENT IN PACKAGING, AND THEIR RELEASE INTO THE ENVIRONMENT

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English version

Packaging - Requirements for measuring and verifying the four heavy metals and other dangerous substances present in packaging, and their release into the environment - Part 2: Requirements for measuring and verifying dangerous substances present in packaging, and their release into the environment

Emballages - Exigences pour la mesure et la vérification des quatre métaux lourds et autres substances dangereuses présents dans les emballages, et leur cession dans l'environnement - Partie 2: Exigences pour la mesure et la vérification des substances dangereuses présentes dans les emballages, et leur cession dans l'environnement

Verpackung - Anforderungen zur Messung und Feststellung der vier Schwermetalle und der anderen gefährlichen Substanzen in Verpackungen und deren Freisetzung in die Umwelt - Teil 2: Anforderungen zur Messung und Feststellung von gefährlichen Substanzen in Verpackungen und deren Freisetzung in die Umwelt

This Technical Report was approved by CEN on 7 March 2004. It has been drawn up by the Technical Committee CEN/TC 261.

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Foreword

This document (CEN/TR 13695-2:2004) has been prepared by Technical Committee CEN/TC 261 “Packaging”, the secretariat of which is held by AFNOR.

This document supersedes CR 13695-2:2002.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directives, see informative Annex B, which is an integral part of this document.

This Technical Report forms one of a series of standards and reports prepared under Mandate M/200 rev.3 and the Second Standardisation Mandate M/317 given to CEN by the European Commission and the European Free Trade Association to support the European Parliament and Council Directive on Packaging and Packaging Waste [94/62/EC]. The procedure for applying this Technical Report in conjunction with the other mandated standards and reports is specified in EN 13427.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Report: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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Introduction

The European Commission gave a mandate to CEN for promoting the preparation of European Standards and CEN Reports in order to support the application of the Directive 94/62/EC of 20 December 1994, on Packaging and Packaging Waste, in particular to elaborate a CEN Report 'Requirements for measuring and verifying heavy metals and other dangerous substances present in packaging, and their release into the environment'.

NOTE The Directive 94/62/EC is amended by European Parliament and Council Directive 2004/12/EC of 11 February 2004

Part 1 of the CEN Report 'Requirements for measuring and verifying the four heavy metals present in packaging, and their release into the environment' has been previously released, (CR 13695-1) due to the priority given in Article 11(1) of the Directive to the four heavy metals explicitly mentioned: Lead, Cadmium, Mercury and Chromium VI.

This document is Part 2 to the CEN Report CR 13695 related to other dangerous substances. It refers to the end-of-life treatment of packaging by incineration or landfilling.

The task of the working group WG 8 'Heavy metals and other dangerous substances' had been attributed by a resolution of CEN TC 261/SC 4.

Have been considered for the development of this work:

— the existing European or national regulations (Directives);

— the CEN standardisation on waste TC 292;

— the OECD environment monograph series.

A detailed information on the regulatory context is given in Annex B; however this work is expected to be compatible with any further evolution of the related regulation, as it is independent of any specific case.

With regard to the number and diversity of substances, which may be considered as dangerous to the environment, there are no currently available general standardised methods for the systematic measurements of their presence in emissions, ash or leachate, when packaging or residues from management operations or packaging waste are incinerated or landfilled. The task of elaborating specific standardised methods for each substance and applicable in each practical case would be extremely complex and time consuming. This is the reason why a methodology to estimate or calculate these substances based on the use of Safety Data Sheets (according to Directive 91/155/EEC) has been developed.

A simple and efficient assessment method suitable for small and medium sized suppliers of packaging is proposed, based preferentially on an upstream approach (CR 13695-1, 8.1).

Guidelines are provided to identify and minimise dangerous substances and a methodology is proposed to assess the compliance with the requirements of the Directive.

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