

Emission safety of combustible air fresheners -
Methodology for the assessment of test results and
application of recommended emission limits

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 16739:2015 sisaldab Euroopa standardi EN 16739:2015 ingliskeelset teksti.	This Estonian standard EVS-EN 16739:2015 consists of the English text of the European standard EN 16739:2015.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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ICS 13.040.20

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English Version

Emission safety of combustible air fresheners - Methodology for the assessment of test results and application of recommended emission limits

Sécurité des émissions des désodorisants à combustion
- Méthodologie de l'évaluation des résultats d'essais et
application des limites d'émission recommandées

Emissionssicherheit brennbarer Lufterfrischer -
Methodik für die Bewertung von Prüfergebnissen und
Anwendung empfohlener Emissionsgrenzen

This European Standard was approved by CEN on 17 October 2015.

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COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 16739:2015) has been prepared by Technical Committee CEN/TC 421 "Project Committee - Emission safety of combustible air fresheners", the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2016, and conflicting national standards shall be withdrawn at the latest by May 2016.

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1 Scope

This European standard specifies the methodology for the assessment of test results from the emissions of a combustible air freshener, when tested according to EN 16738 and follows REACH Guidance and consumer habits and practices to produce a consumer exposure assessment. It provides reference to published emission limit or guidance values.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 16738:2015, *Emission safety of combustible air fresheners — Test methods*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 16738:2015 and the following apply.

3.1 exposure assessment
process of measuring or estimating the concentrations, frequency and duration of consumer exposure to a chemical compound released in the environment, or estimating future exposures for a chemical compound that has not yet been released

3.2 Time Weighted Average Concentration TWA
average concentration to which the consumer is exposed during a week

3.3 unit specific emission rate SE_{R_u}
product specific rate describing the mass of a volatile organic compound emitted per unit of product per unit of time at a given time from the start of the test

4 Requirements

4.1 Assessment of consumer exposure

4.1.1 Consumer exposure based on habits and practices

The approach and default values described under the European Chemicals Regulation "REACH" (EC) N° 1907/2006 have been used to estimate potential human inhalation exposures to chemicals released from consumer products.

The following models can be used to estimate human indoor exposures to combustible air freshener emissions on the basis of their emission rates:

- ConsExpo 1-Box Model, RIVM [2];
- 2-Box Indoor Air Dispersion Model developed by the RIFM [3];
- CONTAM Building Model [4].