

# **Fugitive and diffuse emissions of common concern to industry sectors — Measurement of fugitive emission of vapours generating from equipment and piping leaks**

ICS 13.040.40

# National foreword

This British Standard is the UK implementation of EN 15446:2008.

The UK participation in its preparation was entrusted to Technical Committee EH/2/1, Stationary source emission.

A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

**Fugitive and diffuse emissions of common concern to industry sectors - Measurement of fugitive emission of vapours generating from equipment and piping leaks**

Emissions fugitives et diffuses concernant les secteurs industriels - Mesurage des émissions fugitives de composés gazeux provenant d'équipements et de canalisations

Fugitive und diffuse Emissionen von allgemeinem Interesse für Industriebereiche - Messung fugitiver Emissionen von Gasen und Dämpfen aus Lecks von Betriebseinrichtungen und Rohrleitungen

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## Foreword

This document (EN 15446:2008) has been prepared by Technical Committee CEN/TC 264 "Air quality", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by July 2008, and conflicting national standards shall be withdrawn at the latest by July 2008.

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This European Standard has been elaborated under a mandate of the European Commission/DG Enterprise to support essential requirements of the IPPC Directive (96/61/EC).

The horizontal approach of common concern to industrial sectors is to gather industries concerned with diffuse/fugitive emissions and to develop methods suiting their needs. The industries of three trade associations have participated: EUROFER, EUROMETAUX and CEFIC. For practical reasons the two developed measurement methods, one for dusts and the other for gases are published as two separate standards.

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

## Introduction

A portable instrument is used to detect VOC leaks from individual sources. Any detector type is allowed, provided it meets the specifications and performance criteria contained in Clause 5. This procedure is intended to locate the leaks, and to estimate the mass emission rate from individual sources and the total emission of the industrial facility over a reporting period by using:

- EPA or user-defined correlations whenever possible;
- fixed emission factors, in all other cases.