

## **Transportable gas cylinders - Gas cylinder identification (excluding LPG) - Part 2: Precautionary labels**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1089-2:2002 sisaldab Euroopa standardi EN 1089-2:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 13.12.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1089-2:2002 consists of the English text of the European standard EN 1089-2:2002.</p> <p>This document is endorsed on 13.12.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b></p> <p>This European Standard specifies the design, content, i.e. hazard symbols and text, and application of precautionary labels intended for use on the shoulders of individual gas cylinders containing single gases or gas mixtures or immediately below (maximum 50 mm from the rounded part). Labels for bundles of cylinders and for LPG cylinders are not covered by this standard.</p>	<p><b>Scope:</b></p> <p>This European Standard specifies the design, content, i.e. hazard symbols and text, and application of precautionary labels intended for use on the shoulders of individual gas cylinders containing single gases or gas mixtures or immediately below (maximum 50 mm from the rounded part). Labels for bundles of cylinders and for LPG cylinders are not covered by this standard.</p>
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**Võtmesõnad:** compound gas cylinders, design, gas cylinders, graphic symbols, hazard labels, labelling, labels, marking, mobile, safety, stickers, symbols, warning labels, warning symbols

**Hinnagrupp** F

**English version**

Transportable gas cylinders

**Gas cylinder identification (excluding LPG)**

**Part 2: Precautionary labels**

Bouteilles à gaz transportables –  
Identification de la bouteille à gaz  
(à l'exclusion du GPL) – Partie 2:  
Étiquettes informatives

Ortsbewegliche Gasflaschen –  
Gasflaschen-Kennzeichnung  
(ausgenommen Flüssiggas-LPG) –  
Teil 2: Gefährzettel

This European Standard was approved by CEN on 2002-04-29.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

**Management Centre: rue de Stassart 36, B-1050 Brussels**

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## Foreword

This document EN 1089-2:2002 has been prepared by Technical Committee CEN/TC 23 "Transportable gas cylinders", the secretariat of which is held by BSI.

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 February 2003, and conflicting national standards shall be withdrawn at the latest by February 2003.

This document supersedes EN 1089-2:1996.

This European Standard consists of three Parts, belonging to a series of standards specifying gas cylinder identification requirements:

Part 1:     *Stampmarking*

Part 2:     *Precautionary labels*

Part 3:     *Colour coding*

Annex A is informative.

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

## Introduction

The purpose of using precautionary labels on gas cylinders is to facilitate the identification of each cylinder and its content and to warn of the principal hazards associated with the said contents. Such labels can also serve to give other essential information such as the name and chemical formula of the gas or gas mixture and supplementary instructions on precautionary measures.

## 1 Scope

This European Standard specifies the design, content, i.e. hazard symbols and text, and application of precautionary labels intended for use on the shoulders of individual gas cylinders containing single gases or gas mixtures or immediately below (maximum 50 mm from the rounded part).

Labels for bundles of cylinders and for LPG cylinders are not covered by this standard.

NOTE LPG are substances carried under the identification number 1965 "Hydrocarbon gas mixture, liquefied, N.O.S".

## 2 Design and content of precautionary labels

### 2.1 General

Precautionary labels shall be designed, attached and maintained so that they are clearly visible and legible for as long as the cylinders remain in the same gas service.

Precautionary labels shall consist of two components:

- a) a diamond-shaped part or parts, i.e. a primary hazard diamond and, in cases where two or three kinds of hazard require identification, one or two subsidiary hazard diamond(s);
- b) a panel.

Where two or three hazard diamonds are necessary, the subsidiary hazard diamond (s) shall be placed overlapped and to the right of the primary hazard diamond (see Figures 1 and 2). In all cases, the symbols of the hazard diamond(s) shall remain unobscured.

The diamonds and panels may be manufactured separately and assembled on the gas cylinder.

Figures 1 to 4 show examples of arrangements of the diamond(s) and panel, other arrangements of the diamond(s) are permissible, (e.g. it can be above or beneath the panel).

### 2.2 Size and shape

#### 2.2.1 Diamond

The size and shape of the diamonds are illustrated in Figures 1 to 4. Lengths "a" of the sides of the diamond are specified in Table 1. Other lengths may be used provided that the hazard symbol is well visible in relation to the size of the cylinder.

Each diamond shall cover at least one-tenth of the surface area of the label.