

Plastics - Symbols and abbreviated terms - Part 3:
Plasticizers (ISO 1043-3:2016)

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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 83.040.30, 83.080.01

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EUROPEAN STANDARD

EN ISO 1043-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 83.040.30; 83.080.01

Supersedes EN ISO 1043-3:1999

English Version

**Plastics - Symbols and abbreviated terms - Part 3:
Plasticizers (ISO 1043-3:2016)**

Plastiques - Symboles et termes abrégés - Partie 3:
Plastifiants (ISO 1043-3:2016)

Kunststoffe - Kennbuchstaben und Kurzzeichen - Teil
3: Weichmacher (ISO 1043-3:2016)

This European Standard was approved by CEN on 19 September 2016.

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This European Standard exists 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 CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN ISO 1043-3:2016) has been prepared by Technical Committee ISO/TC 61 "Plastics" in collaboration with Technical Committee CEN/TC 249 "Plastics" the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by May 2017, and conflicting national standards shall be withdrawn at the latest by May 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 1043-3:1999.

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 1043-3:2016 has been approved by CEN as EN ISO 1043-3:2016 without any modification.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 61, *Plastics*, Subcommittee SC 1, *Terminology*.

This third edition cancels and replaces the second edition (ISO 1043-3:1996), which has been technically revised with the following changes:

- alternative CAS Registry Numbers have been added for some “octyl” plasticizers;
- a symbol for soya bean has been included in [Annex A](#).

ISO 1043 consists of the following parts, under the general title *Plastics — Symbols and abbreviated terms*:

- *Part 1: Basic polymers and their special characteristics*
- *Part 2: Fillers and reinforcing materials*
- *Part 3: Plasticizers*
- *Part 4: Flame retardants*

Plastics — Symbols and abbreviated terms —

Part 3: Plasticizers

1 Scope

This part of ISO 1043 provides uniform symbols for components of terms relating to plasticizers to form abbreviated terms. It includes, in general, only those abbreviated terms that have come into established use.

The purpose of this part of ISO 1043 is to prevent the occurrence of more than one abbreviated term for a given plasticizer. The symbols are primarily intended to be convenient shorthand for forming abbreviated terms for chemical names in publications and other written matter.

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.

ISO 472, *Plastics — Vocabulary*

ISO 1043-1, *Plastics — Symbols and abbreviated terms — Part 1: Basic polymers and their special characteristics*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 472 and ISO 1043-1 apply.

4 Use of the symbols and abbreviated terms

4.1 The first appearance of an abbreviated term in a text shall be enclosed in parentheses and shall be preceded by the chemical name written in full.

4.2 Only capital letters shall be used for the symbols.

4.3 The list comprises the abbreviated term, the commonly used name or names and the International Union of Pure and Applied Chemistry (IUPAC) equivalent and the Chemical Abstracts Service Registry Number (CAS-RN) where these are available. In cases where IUPAC nomenclature or the CAS-RN is not available due to uncertainty or ambiguity, this is indicated in the text.

The commonly used chemical name or the IUPAC name given in this part of ISO 1043 shall be referred to when defining each abbreviated term.

It should be recognized that, in use in the rubber and plastics industries, many plasticizers are “commercial” or “technical” grades and not necessarily pure forms of substances.

4.4 A list of symbols for individual components of abbreviated terms is given in [Annex A](#).