INTERNATIONAL STANDARD

ISO 1043-3

Third edition
2016-10-15

Plastics — Symbols and abbreviated terms —

Part 3: **Plasticizers**

Plastiques — Symboles et termes abrégés —

Partie 3: Plastifiants

Reference number
ISO 1043-3:2016(E)

© ISO 2016



COPYRIGHT PROTECTED DOCUMENT

© ISO 2016, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

Foreword ..... **iv**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Use of the symbols and abbreviated terms **1**
5 Schedule of terms **2**
Annex A (normative) **List of symbols for individual components of abbreviated terms** **6**

© ISO 2016 – All rights reserved

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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*

© ISO 2016 – All rights reserved

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.

© ISO 2016 – All rights reserved