



BSI Standards Publication

Fertilizers — Marking — Presentation and declarations

National foreword

This British Standard is the UK implementation of ISO 7409:2018. It supersedes BS 5551-1.3:1984, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CII/37, Fertilisers and related chemicals.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2018
Published by BSI Standards Limited 2018

ISBN 978 0 580 86777 4

ICS 55.020; 65.080

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2018.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

INTERNATIONAL
STANDARD

ISO
7409

Second edition
2018-03

**Fertilizers — Marking — Presentation
and declarations**

Engrais — Marquage — Présentation et mentions à déclarer



Reference number
ISO 7409:2018(E)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, 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
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 General requirements	1
6 Types of marking	2
7 Pre-marked containers	2
7.1 Containers holding more than 25 kg (or 25 l) of fertilizer.....	2
7.1.1 Marking technical details.....	2
7.1.2 General instructions for the size of characters.....	2
7.1.3 Sizes of characters for declarations.....	2
7.2 Containers holding from 5 kg to 25 kg (or 5 l to 25 l) of fertilizer.....	3
7.3 Containers holding less than 5 kg (or 5 l) of fertilizer.....	3
8 Bulk fertilizers	3
9 Examples of declarations	3
Annex A (informative) Example of package marking	6
Annex B (informative) Example of directions for use	7
Annex C (informative) Example of package	9
Annex D (informative) Example of labelling for an EC fertilizer	10
Annex E (informative) Example of labelling for a Canadian fertilizer	11
Bibliography	12

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 voluntary nature of standards, 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.

This document was prepared by Technical Committee ISO/TC 134, *Fertilizers and soil conditioners*.

This second edition cancels and replaces the first edition (ISO 7409:1984), which has been technically revised. The main changes compared to the previous edition are as follows:

- bulk fertilizers have been included;
- the general requirements have been further developed;
- examples of marking and labelling of fertilizers as well as directions for use have been added, together with a brief summary of related instructions in the Bibliography;
- the types of marking have been illustrated and expanded;
- more elements such as directions for use and warning statements related to safety have been introduced into the declarations.

Fertilizers — Marking — Presentation and declarations

1 Scope

This document specifies the procedure for marking containers or labels for fertilizers.

This document is applicable to all fertilizers in containers or bulk.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Principle

Establishment of the label size, the position of the declarations and the size of the characters (letters and figures) so as to enable the user to identify the fertilizer and to determine its characteristics. These details will vary according to whether the container holds:

- more than 25 kg (or 25 l) of fertilizer,
- from 5 kg to 25 kg (or 5 l to 25 l) of fertilizer,
- less than 5 kg (or 5 l) of fertilizer, or
- bulk fertilizer.

See [Figures A.1, C.1](#) and [E.1](#) for examples of marking and labelling.

NOTE Ton bags are usually considered as bulk fertilizer.

5 General requirements

5.1 Declarations shall be legible and indelibly marked on a uniform and contrasting background.

5.2 Any declarations on the marking should be truthful, accurate and extremely clear.

5.3 False, deceptive, exaggerated, untruthful or misleading claims shall not be made on the product packaging or label.

5.4 The smallest letters used in declaration or marking shall be clear, firm and readable.