
**Tractors, machinery for agriculture
and forestry, powered lawn and
garden equipment — Safety labels —
General principles**

*Tracteurs et matériels agricoles et forestiers, matériels à moteur pour
jardins et pelouses — Étiquetage de sécurité — Principes généraux*





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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).

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).

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For an explanation of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 14, *Operator controls, operator symbols and other displays, operator manuals*.

This second edition cancels and replaces the first edition (ISO 11684:1995), which has been technically revised.

The main changes are as follows:

- the title has been changed for clarification, i.e. "*Safety signs and hazard pictorials*" has been changed to "*Safety labels*";
- the scope has been modified to clarify the state of the art;
- [Clause 3](#) (Terms and definitions) has been added to define safety labels;
- the normative references and the terms and definitions' source information have been updated;
- the term "sign" has been changed to label where appropriate to align with TC 145/SC 2;
- the title of [Annex F](#) (former Annex D) has been updated;
- the Bibliography has been updated.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The purpose of this document is to provide, for tractors, machinery for agriculture and forestry, and powered lawn and garden equipment, general principles for the design of safety labels to alert persons to a hazard, describe the nature of that hazard, describe the consequences of potential injury from it, and instruct persons on how to avoid it. The continued growth in international trade and commerce has made it necessary to establish a universal communication method for conveying safety information.

This document satisfies the global need to harmonize the system for conveying safety information using graphical means so that it relies as little as possible on the use of text messages. Safety labels that include text can be used when some of the necessary safety information cannot be communicated in graphical form.

Education is an essential part of any system that provides safety information. Although safety colours and labels are essential to any safety information system, they can be used only to supplement job site management practices such as proper working methods, instructions, accident prevention measures and training.

Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Safety labels — General principles

1 Scope

This document establishes general principles for the design of safety labels and hazard pictorials permanently affixed to, or displayed electronically on, tractors, machinery for agriculture and forestry, and powered lawn and garden equipment. This document outlines safety label objectives, describes the basic safety label formats and colours, provides guidance on developing the various panels that together constitute a safety label, and includes safety label information with regard to operator's manuals.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements for this document. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3600, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Operator's manuals — Content and format*

ISO 3864-2, *Graphical symbols — Safety colours and safety signs — Part 2: Design principles for product safety labels*

ISO 3864-4, *Graphical symbols — Safety colours and safety signs — Part 4: Colorimetric and photometric properties of safety sign materials*

ISO 11783-6, *Tractors and machinery for agriculture and forestry — Serial control and communications data network — Part 6: Virtual terminal*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology 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/>

3.1

safety label

label that informs the observer of one or more potential hazards and describes the safety precautions and/or actions required to avoid the hazard(s)

Note 1 to entry: It communicates a hazard, a hazardous situation, a precaution to avoid a hazard and/or a result of not avoiding a hazard.

Note 2 to entry: Adapted from ISO 3864-2.