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Safety data sheet for chemical products — Content and order of sections

Fiches de données de sécurité pour les produits chimiques — Contenu et plan type



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 11014 was prepared by Technical Committee ISO/TC 47, *Chemistry*.

This first edition of ISO 11014 cancels and replaces the first edition of ISO 11014-1:1994, which has been technically revised to align it with GHS:2007 [2].

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Introduction

The safety data sheet (SDS) for chemical products gives information on the safety, health and environmental protection aspects of these substances or mixtures. The SDS supplies, for these aspects, basic knowledge of the chemical products, and recommendations on protective measures and emergency actions. In some countries, this sheet is called a material safety data sheet (MSDS). Throughout this International Standard, the term SDS is used.

The SDS is a means of transferring essential hazard information (including information on transport, handling, storage and emergency actions) from the supplier of a chemical product to the recipient of the chemical product. It may also be used to transfer this information to institutions, services and other bodies that play a role in dealing with the chemical product.

The objective of this International Standard is to create consistency in providing information on safety, health and environmental matters for chemical products. In order to establish uniformity, certain requirements have been laid down as to how information on the chemical product shall be given (for instance the wording, numbering and sequence of the headings).

This International Standard provides flexibility to accommodate different text-processing/transmission systems.

The predecessor to this International Standard, ISO 11014-1:1994, has been applied worldwide since its publication.

In 1992, the UN Conference on the Environment and Development (UNCED) adopted Agenda 21, in which UNCED recommended a globally harmonized system of classification and labelling of chemicals (GHS^[2]) including safety data sheets as one of the six areas for action identified in Chapter 19 on environmentally sound management of toxic chemicals. It includes guidance on the preparation of safety data sheets.

Some of the regional and national standards on SDS have been revised to be in line with the GHS.

The systematic review of ISO 11014-1:1994, conducted in 2006, resulted in the committee decision to revise. Accordingly, this International Standard has been developed by aligning the predecessor text with the GHS as regards hazard communication.

ISO 11014-2 was never published. Hence this International Standard is designated as the first edition of ISO 11014.

It does not necessarily reflect or represent the different international, regional, national or local regulatory requirements that may be specific for certain regions/countries/states. It is therefore recommended that reviews outlining the different international, regional, national or local regulatory requirements relevant to SDSs be made available to those who prepare SDSs.

The provision of this knowledge to SDS authors is intended to promote the establishment and acceptance of a unique SDS per chemical product in different regions/countries/states, enabling fully consistent information to be provided.

The obligations of the recipient of an SDS are beyond the scope of this International Standard. Some of them are included, however, to clearly differentiate between the obligations of the SDS and those of the recipient of the SDS.