



National Standard of the People's Republic of China

GB/T16483-2008

Replaces GB/T 17519.1-1998, GB 16483-2000

Safety Data Sheet for Chemical Products Content and Order of Sections

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**General Administration of Quality Supervision, Inspection and Quarantine of the
People's Republic of China, and**

Standardization Administration of the People's Republic of China

Foreword

This standard will replace GB/T 17519.1-1998 *Safety Data Sheet for Chemical Products: Section 1: Content and Order of Sections*, and GB 16483-2000 *Preparation Provisions on Safety Data Sheets for Chemical Products*.

In comparison with GB/T 17519.1-1998 and GB 16483-2000, this standard has the following main differences:

- The order of the 16 sections is different;
- The definition of a substance has been added;
- In A3.2 of Appendix A, the summary of 'dangerous' is consistent with the classification from the Globally Harmonized System of Classification and Labeling of Chemicals (GHS);

The Appendix A of this standard is a normative appendix.

This standard was proposed by China Petroleum and the Chemical Industry Association.

This standard is to be interpreted and administered by the National Chemical Standardization Technical Committee.

The following organizations have participated in the preparation of this standard: National Registration Center for Chemicals of the State Administration of Work Safety, SINOCHM Standardization Institute, Shanghai Research Institute of Chemical Industry, China National Chemical Economic and Technical Development Center, SINOPEC Qingdao Safety Engineering Institute.

Main drafters: Wei Jing, Li Xuehua, Li Yuncai, Zhong Zhiwan, Yang Yi, Liu Gang, Chen Jun, Ji Guofeng.

This standard replaces previous versions of the following published standards:

- GB/T 17519.1-1998;
- GB 16483-1996; GB 16483-2000.

ISO Introduction

The Safety Data Sheet for Chemical Products (SDS) provides information on chemical products (substances or mixtures) in the aspects of safety, health, environmental protection, etc. and recommends protective measures and response measures in case of emergencies. In some countries, a Safety Data Sheet for Chemical Products is also referred to as a Material Safety Data Sheet (MSDS), however in this standard SDS is used consistently.

The SDS is a means for suppliers of chemical products to transfer basic hazardous information on chemicals (including information on the transportation, handling, disposal, storage and emergency action) to their downstream recipients. The SDS can also transmit this information to public institutions, service providers and other recipients of the chemicals.

This standard is designed to standardize the information of chemical products in the safety, health, and environmental aspects and to establish a unified format (such as terminology, numbering and the sequence of titles) and sets specific rules on how to provide information on chemical products.

This standard can be applied flexibly in the communication of information between different languages.

The first version of standard ISO11014-1 was published in 1994 and subsequently became widely adopted worldwide. The National Chemical Standardization Technical Committee identically converted ISO11014-1: 1994 to GB/T 17519.1-1998.

The 1992 United Nations Conference on the Environment and Development (UNCED) passed the 21st century agenda in which UNCED recommended the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). In Chapter 19 of the agenda, the *Environmentally sound management of Toxic Chemicals* includes 6 basic measures, with the SDS being one of them. The first version of GHS was released in 2003 and was revised for the first and second times in 2005 and 2007 respectively, with SDS compilation guidelines included.

The SDS standards in some countries and regions have already been revised in accordance with the requirements of GHS.

ISO/TC 47 performed a review of ISO11014-1: 1994 in 2006 and decided to revise the standard. Therefore, this international standard was developed along with the first revised version so that it complied with the requirements of GHS for the communication of hazardous information by SDS. The National Chemical Standardization Technical Committee decided to revise GB/T 17519.1-1998 simultaneously.

ISO/TC 47 also revised the name of ISO11014-1 international standard and deleted "Section 1" in the original document because the proposed second section of ISO 11014 has not been released until now, since the first section was released in 1994.

It is not necessary for the SDS to reflect or describe the regulatory requirements of different countries or regions. As these requirements may only apply to some specific countries and regions, it is recommended that those who prepare the SDS understand the regulations for SDS preparation of different countries and regions in order for each kind of chemical product to have a corresponding SDS for different countries or regions.

The responsibilities of the recipients of the SDS are beyond the scope of this international standard. This standard describes a part of the responsibilities of the recipients to make a clear distinction between the responsibilities of SDS suppliers and recipients.

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REACH24H Europe

Suite 1E, Paramount Court, Corrig Road, Sandyford, Dublin 18, Dublin, Ireland
Tel: +353 1 8899 951 / Fax: +353 1 6865 683

REACH24H CHINA

6F, Building 2, HESHENG Trade Center, No 327 Tian Mu Shan Road, Hangzhou, China
Tel: +86 571 8609 4444 / Fax: +86 571 8700 7566

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