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National Standard of the People's Republic of China

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

Safety Data Sheet for Chemical Products Content and Order of Sections

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

Foreword

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

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

- The order of 16 parts of information is different;
- The definition of substance is added;
- In A3.2 of Appendix A, the summary of danger is consistent with the classification of Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

The Appendix A of this standard is normative.

This standard is proposed by China Petroleum and Chemical Industry Association.

This standard is to be interpreted and administered by the National Chemical Standardization Technology Commission.

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

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The released versions of standards replaced by this standard are:

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 (substance or mixture) in the aspects of safety, health, environment, etc, recommending preventive and protective measures and countermeasures in case of emergency. In some countries, the Safety Data Sheet for Chemical Products is also named as the Material Safety Data Sheet (MSDS), but in this standard SDS is used instead consistently.

The SDS is an informational carrier for the suppliers of chemical products to convey the basic information (including transportation, Operation, Disposal, storage and emergency action information) on the hazards of chemicals to the recipients. At the same time the SDS can convey such information to the public institutions, service providers and other stakeholders of the chemicals.

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

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

ISO11014-1 Standard Version 1 has been promulgated in 1994. Afterwards it has been widely applied worldwide. The National Chemical Standardization Technical Committee identically converted ISO11014-1: 1994 to GB/T 17519.1-1998.

The 1992 United Nations Conference on Environment and Development (UNCED) passed the 21st century agenda, where UNCED recommended the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). In Chapter 19 of the agenda, *Management of Toxic Chemical in Environment* includes 6 basic measures, while the SDS is one of them. GHS Version 1 has been released in 2003, and revised for the first time and second time in 2005 and 2007 respectively, which includes the guidance to develop the SDS.

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

ISO/TC 47 made systematic checking of ISO11014-1: 1994 in 2006, afterwards we decided

to revise the standard. Therefore, this international standard was developed through revising the Version 1 so that it complies with the requirements of GHS for SDS for conveying information on the hazards of chemicals. 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 by deleting the “Section 1”, because since releasing Section 1 in 1994, the planned Section 2 of ISO11014 has not been released till now.

It is not necessary for SDS to reflect or describe the regulatory requirements of different countries or regions. These requirements may only apply to some specific countries and regions. Therefore it is recommended that the developers of SDS should know about the regulations of different countries and regions on developing SDS, so that it helps that each chemical only corresponds to one SDS in different countries or regions.

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

Safety Data Sheet for Chemical Products

Content and Order of Sections

1 Scope

This standard sets the structure, content and generic forms of the Safety Data Sheet for Chemical Products (SDS).

This standard applies to the preparation of the Safety Data Sheet for Chemical Products.

This standard does not provide fixed format or sample for SDS.

2 Terminology and definitions

The following terminology and definition apply to this standard.

2.1

Chemical product

It refers to substance or mixture.

2.2

Substance

It refers to the chemical elements and their compounds in the natural status or obtained through any manufacturing process, including any necessary additives to keep its stability and any impurities as a result of processing, but excluding any separable solvent that will not affect the stability of the substance or change its composition.

2.3

Exposure control

The whole set protective measures to protect the personnel exposed to the chemical products.

2.4

GHS classification

According to the features of physical, healthy, and environmental hazards of substance or mixture, based on the classification standard of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS), classify the hazards of substances.

2.5

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