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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 17519-2013

Replacing GB/T 17519.1-1998, GB/T 17519.2-2003, GB/T 17519.3-2003, GB/T 17519.4-2003

**Guidance on the compilation of safety data sheets for chemical
products**

化学品安全技术说明书编写指南

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1 Scope

GB/T 17519 is the Chinese guide to writing a safety data sheet, and for anyone shipping chemicals into China it is one of the two or three documents that decide whether the consignment moves. China requires an SDS in Chinese, laid out to its own expectations, and an SDS that is perfectly valid under REACH or OSHA is routinely rejected here. This standard is what the Chinese sheet has to follow. It sets out the sixteen sections and their order, and for each of them what must be stated and how: the identification of the substance and the supplier, the hazard identification and the GHS classification and label elements, the composition and the disclosure rules for a mixture, the first aid, fire fighting and accidental release measures, the handling and storage, the exposure controls and personal protection with the Chinese occupational exposure limits, the physical and chemical properties, the stability and reactivity, the toxicological and ecological information, the disposal, the transport information under the Chinese dangerous goods rules, and the regulatory information. For an exporter, an importer or a regulatory consultant, this is the format the sheet is written to.

This standard specifies the detailed rules for the compilation of 16 parts of the SDS, the format of the SDS, the writing requirements of the SDS, the requirements for measurement units. This standard applies to the compilation of SDS.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this standard.

GB 3100~3102 Quantities and units

GB 4839 Chinese common name for pesticides

GB/T 11651 Code of practice for selection of personal protective equipments

GB 12268 List of dangerous goods

GB 15258 General rules for preparation of precautionary label for chemicals

GB/T 16483 Safety data sheet for chemical products - Content and order of sections

GB/T 18664 Selection, use and maintenance of respiratory protective equipment

3.1 Identification of chemical and corporate

3.1.1 Chemical identification The filling of chemical identification shall follow the following principles.

3.1.2 Corporate Identification It shall indicate, in detail, the supplier's name, address, telephone number, e- mail address. Note the following during compilation.

3.1.3 Emergency consultation telephone Attention shall be paid when compiling this item.

3.1.4 Recommended uses and restricted uses of chemicals The filling of this item include.

3.2 Overview of hazards

3.2.1 Overview of emergencies The overview of emergency situation describes the serious hazards, that may be caused immediately by chemicals in the accident state, as well as the hazards that may have serious consequences, that need to be identified urgently; provide a reference for rescuers at the scene of a chemical accident. The matters needing attention in writing this item are as follows:

3.2.2 Hazard category The matters that shall be paid attention to when writing this item are.

3.2.4 Physical and chemical hazards Briefly describe the potential physical and chemical hazards of chemicals, such as the hazard of combustion and explosion, the corrosiveness

of metals. When filling in this item, please note that it corresponds to the relevant content in the 9th, 10th and other parts of the emergency overview and hazard category items, in the SDS Part 2 - Hazard overview.

3.2.5 Health hazards The matters, that shall be paid attention to, when writing this item are.

3.2.6 Environmental hazards The matters, that shall be paid attention to, when writing this item are.

3.2.7 Other hazards This item shall describe other hazard characteristics, that are not included in the GHS hazard classification (these hazard characteristics can also be separately stated, in the physical and chemical hazards, health hazards, or environmental hazards in SDS Part 2). The following hazardous characteristics (but not limited to), which are not included in GHS, can be expressed in this item.

3.3 Ingredients/composition information

3.3.1 Substance When filling in the substance, it shall pay attention to.

3.3.2 Mixture When filling in the mixture, it shall pay attention to.

3.4 First aid measures

3.4.1 Description of first aid measures The matters, that shall be paid attention to, when writing this item are.

3.4.2 The most important symptoms and health effects Briefly describe the acute and delayed effects, that may occur after exposure to the chemical. The most important symptoms and health effects shall be described.

3.4.3 Advice to protect rescuers When necessary, suggestions shall be made on the self-protection of rescuers.

3.4.4 Special reminder for doctors When appropriate, as a special reminder to the doctor, it shall make explanations on the clinical examination and medical monitoring of late-onset effects, the use and contraindications of special antidotes, drug contraindications, the use of positive airway pressure, the need of gastric lavage, etc.

3.5 Fire-fighting measures

3.5.1 Extinguishing agent This item includes.

3.5.2 Special hazards This item shall provide information on the special hazards, that may be caused by chemicals in the fire scene, e.g..

3.5.3 Precautions and protective measures for fire extinguishing The information provided in this item shall include.

3.7 Handling and storage

3.7.1 Handling The filling contents of this item include.

3.7.2 Storage Attention shall be paid when writing this item.

3.8 Exposure control and personal protection

3.8.1 Occupational exposure limits List the occupational exposure limits of the substance or mixture components. The following points shall be noted when writing this item.

a) Accurately fill in the allowable concentration of chemical substances in the

3.8.2 Biological limits List the biological limits of the substance or mixture components. The following points shall be noted when writing this item.

3.10 Stability and reactivity

3.10.1 Stability Describe whether the substance or mixture is stable, under normal conditions and expected storage and disposal temperature and pressure conditions.

3.10.2 Hazardous reaction Explain whether the substance or mixture can undergo hazardous reactions, which are accompanied by phenomena such as pressure increase, temperature increase, formation of dangerous by-products. Hazardous reactions include (but are not limited to) polymerization, decomposition, condensation, reaction with water, self-reaction, etc.

4 Format

4.1 Format size The format of SDS is generally A4 (it can also be other format sizes deemed suitable by the supplier), which is arranged vertically.

4.2 General layout format

4.2.1 Upper part of the first page Use the following format.

4.2.2 The upper part of each page after the first page Use the following format.

4.2.3 Page numbering system and its location Write the page number in accordance with the page numbering system, which is specified in GB/T 16483. Print it in the center or right position under the footer line of each page of the SDS.

4.2.4 Text The layout requirements include.

a) The layout requirements of Part 16. 1) The title, number and order of Part 16 shall not be changed at will; 2) The typesetting of the headline of Part 16 shall use eye-catching fonts, AND leave a certain space above and below the title.