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(ICS 71.060.10)

SINGAPORE STANDARD

Specification for liquid chlorine

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This Singapore Standard was approved by Chemical Standards Committee on behalf of the Singapore Standards Council on 21 March 2014.

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The Technical Committee acknowledges the contributions of Mr U Thar Cho from the *Chemical Industries (Far East) Limited*.

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Foreword

This Singapore Standard was prepared by the Technical Committee for Chemistry under the direction of the Chemical Standards Committee.

Chlorine is a powerful skin, mucous membrane and respiratory irritant. Because of the hazardous nature of chlorine, intending users are advised to seek guidance from safety data sheets (SDS) published by the manufacturer. Users are strongly advised to consult the chlorine manufacturer regarding both the safety aspects of chlorine handling equipment and the engineering design. The former includes employees' training, protective equipment, emergency measures, provision of first aid equipment and special sampling procedures.

This is a revision of SS 131 : 1975 – 'Specification for liquid chlorine'. The revision resulted in changes in test methods in the standard.

In preparing this standard, references were made to the following publications:

1.	ASTM E410-70	Standard method of test for moisture and residue in liquid chlorine
2.	ASTM E1746-08	Standard test method for sampling and analysis of liquid chlorine for gaseous impurities
3.	BS 3947: 1976	Specification for liquid chlorine

Acknowledgement is made for the use of information from the above references.

Attention is drawn to the possibility that some of the elements of this Singapore Standard may be the subject of patent rights. Enterprise Singapore shall not be held responsible for identifying any or all of such patent rights.

NOTE

1. *Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions.*

2. *An SS or TR is voluntary in nature except when it is made mandatory by a regulatory authority. It can also be cited in contracts making its application a business necessity. Users are advised to assess and determine whether the SS or TR is suitable for their intended use or purpose. If required, they should refer to the relevant professionals or experts for advice on the use of the document. Enterprise Singapore shall not be liable for any damages whether directly or indirectly suffered by anyone or any organisation as a result of the use of any SS or TR.*

3. *Compliance with a SS or TR does not exempt users from any legal obligations.*

Specification for liquid chlorine

1 Scope

This standard specifies liquid chlorine for industrial use and use in the treatment of water.

2 Normative references

The following referenced document is indispensable for the application of this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

SS 152 Identification of contents of industrial gas containers

SS 586-2 Specification for hazard communication for hazardous chemicals and dangerous goods, Part 2 : Globally harmonised system of classification and labelling of chemicals – Singapore's adaptations