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SOUTH AFRICAN NATIONAL STANDARD

The safety of water treatment chemicals for use in the food industry

WARNING

**This document references other
documents normatively.**

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Table of changes

Change No.	Date	Scope
1	2000	Amended to change the requirement that covers the quality of treated process water and steam, and includes an additional definition.
2	2000	Amended to replace the existing certification mark for safety with the certification mark for specific properties.
3	2009	Amended to change the designation of SABS standards to SANS standards, and to update the definition of "acceptable" and referenced standards.
4	2012	Amended to update a referenced standard.
5	2014	Amended to update a referenced standard.
6	2017	Amended to include requirements for storage stability, and to re-number the subclauses accordingly.

Foreword

This South African standard was approved by the National Committee SABS/TC 147, *Water*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This document was approved for publication in March 2017.

This document supersedes SANS 1827:2014 (edition 1.5).

A vertical line in the margin shows where the text has been technically modified by amendment No. 6.

Compliance with this document cannot confer immunity from legal obligations.

Annexes A and B form an integral part of this document. Annex C is for information only.

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The safety of water treatment chemicals for use in the food industry

1 Scope

This standard sets minimum requirements for the safety of water treatment chemicals, intended for use in potable/process waters or boiler feed waters, where the treated water or steam produced might come into contact with food or food products.

NOTE The standard does not set performance standards for the water treatment chemicals. The user is urged to verify, by conducting suitable trials or tests either in the laboratory or in the food processing plant, that these water treatment chemicals are suitable for the proposed application. Alternatively, proven compliance with an appropriate performance standard should be requested.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies. Information on currently valid national and international standards can be obtained from the SABS Standards Division.

SANS 9001/ISO 9001, *Quality management systems – Requirements*. **Amdt 3**

SANS 10228, *The identification and classification of dangerous goods for transport by road and rail modes*.

SANS 10229-1, *Transport of dangerous goods – Packaging and large packaging for road and rail transport – Part 1: Packaging*. **Amdt 3**

SANS 11014/ISO 11014, *Safety data sheet for chemical products – Content and order of sections*. **Amdt 5**

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1

acceptable

acceptable to the authority administering this standard, or to the parties concluding the purchase contract, as relevant **Amdt 1; amdt 3**

3.2

batch

material from a single mix or, in the case of a continuous production process, the material from a single day's production **Amdt 1**