

Australian Standard™

**Cleaning and sanitizing milking
equipment**



S t a n d a r d s Australia

This Australian Standard was prepared by Committee FT-009, Dairy Detergents and Sanitizers. It was approved on behalf of the Council of Standards Australia on 14 August 2000 and published on 19 December 2000.

The following interests are represented on Committee FT-009:

Australian Chamber of Commerce and Industry
Australian Chemical Specialties Manufacturers Association
Australian Dairy Farmers Federation
Australian Dairy Products Federation
Australian Food and Grocery Council
Dairy Industry Association of Australia
Dairy Industry Authority of Western Australia
Department of Primary Industries Queensland
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Australian Standard™

Cleaning and sanitizing milking equipment

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee FT/9, Dairy Detergents and Sanitizers, to supersede AS 1536—1991.

This Standard is the result of a consensus among Australian and New Zealand representatives on the Joint Committee to produce it as an Australian Standard.

This Standard is one of a number of Standards dealing with dairy detergents and sanitizers. This Standard should be read in conjunction with AS/NZS 2541:1998, *Guide to the cleaning-in-place of dairy factory equipment* and may also require reference to the product specifications.

The objective of this revision is—

- (a) to incorporate guidance on verification and validation of cleaning programs;
- (b) to maintain recommended cleaning and sanitizing procedures for use in milking premises; and
- (c) to introduce some minor changes.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard
Cleaning and sanitizing milking equipment

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out recommended cleaning and sanitizing procedures for use in milking premises in order to achieve and maintain a satisfactory level of hygiene. Procedures are given for cleaning and sanitizing items of dairy farm equipment, principally milking machines and refrigerated farm milk tanks. Both manual and cleaning-in-place techniques are included.

1.2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- | | |
|--------|--|
| 1030 | Dial-type general purpose thermometers for use in the dairying industry |
| 1031 | Metal-cased mercury-in-glass thermometers for use in the dairying industry |
| 1087 | Sodium hypochlorite solutions for use in the dairying industry |
| 1187 | Farm milk cooling and storage systems |
| 1398 | Iodophors for use in the dairying industry |
| 1803 | General purpose detergents for use in the dairying industry |
| 2844 | Milking machine installations |
| 2844.2 | Part 2: Construction and performance |

AS/NZS

- | | |
|------|---|
| 1389 | Acidic detergents for use in the dairying industry |
| 1400 | Heavy-duty alkaline detergents for 'in-place' cleaning in dairy factories |

1.3 DEFINITIONS

For the purpose of this Standard, the definitions below apply.

1.3.1 Cleaning

An operation which aims at removing all foreign deposits or residues from equipment surfaces using physical, chemical or mechanical means.

1.3.2 Clean surface

A surface, free from residual film or soil, and complying with the following requirements:

- (a) Contamination or oxidation is not visible under good lighting conditions with the surface wet or dry.
- (b) No objectionable odour is apparent.
- (c) The surface does not feel greasy when rubbed with clean fingers.
- (d) The surface shows no sign of excessive water-break while water is draining from it.