**Laundry practice** 





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The following interests are represented on Committee TX/16:

Australian Chemic al Specialties Manufacturer s Association
Australian Healthcar e Laundry & Linen Service Association
Australian Infection Control Association
Australian Society for Microbiology
Australian Wool Testing Authority
Capital Coa st Health (New Zealand)
Council of Tex tile and Fashion Industries of Australia
New South Wales TAFE Co mmission
New Zealand Nat tional Linen Association
New Zealand Nurs es Organisation
Queen sland Health
Research In stitute Textile Services, New Zealand
Society of Dyers and Colourists of Australia and New Zealand
Textile Care Feder ation of New Zealand
Textile Rental and Laundry Association (Australia)

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## Australian/New Zealand Standard™

## Laundry practice

Originated as AS 4146—1994 Jointly revised and designated AS/NZS 4146:2000

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### **PREFACE**

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TX/16, Laundry Practice as a revision of AS 4146—1994, *Laundry practice*.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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### **FOREWORD**

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Textile articles used in commercial, industrial, hospital and institutional organizations are subjected to repetitive laundry processes to remove soiling, staining and various contaminants which, if not removed, will result in the article being not only aesthetically unacceptable but also a theoretical health risk. Although laundry processes may include appropriate repair and maintenance of textiles to optimize textile life these features have not been addressed in this Standard.

Commercial and industrial laundries process work from a wide variety of end users including manufacturing, food processing, entertainment, catering, accommodation and health care providers. The risks associated with laundering hospital linen, quilts, curtains plastic sheeting and other textiles are generally identified, and appropriate procedures for handling the risks are widely used. The risks in the non-hospital area are not always identified. Risks to health from non-hospital laundry work may in fact be greater than that associated with hospital work. For example, items such as hotel and motel bed linen are not subject to the infection control procedures that apply in health care establishments following change of occupant; Salmonella infection is a risk in some food processing industries while many industrial garments are contaminated with a variety of harmful substances. Because of the potential risk, the requirements for infection control in laundries processing non-hospital linen should be as stringent as those for hospital laundries. Although soiled textile articles have been identified as a source of pathogenic microorganisms, the risk of disease transmission is negligible if hygienic and commonsense storage and handling of clean and soiled articles is practised. In this regard, it is intended that standard precautions be applied to the handling of soiled articles. That is, it is to be assumed that all soiled articles are a potential source of infection and therefore appropriate precautions are to be applied including the use of protective attire.

The laundry industries in Australia and New Zealand are quite diverse and range from modest in-house laundries operated by small hotels and motels to very large linen service operations handling in excess of 200 tonnes per week.

The laundry industry can be divided into five major segments, viz. commercial, industrial, hospital, institutional and on-premises. An additional segment of the industry that is covered by this Standard includes the coin-operated laundries. These various segments of the laundry industry may be broadly described as follows:

### (a) COMMERCIAL

Commercial laundries operate in the private sector and handle textiles from the following:

- (i) Hotels/motels.
- (ii) Restaurants.
- (iii) Shipping and transport.
- (iv) Domestic or private sources.
- (v) Nursing homes and hospitals.

The products serviced include—

- (A) sheets, pillow cases, towels, bedspreads, blankets, continuous towels, tea towels, table linen; and
- (B) personal clothing.

### (b) INDUSTRIAL

Industrial laundries operate in the private sector and handle textiles from the following:

- (i) Factories and other industrial sources.
- (ii) Offices, supermarkets, retail stores.
- (iii) Service stations.

The products serviced include—

- (A) protective clothing, e.g. overalls, aprons, uniforms, gloves;
- (B) leather/plastic safety wares including gloves, helmets, dust control mats, dust control mops and cloths;
- (C) painters' drop cloths;
- (D) car seat covers; and
- (E) cleaning rags.

Such laundries operate in an environment which may include dry-cleaning as well as conventional laundering processes.

### (c) HOSPITAL

Hospital laundries operate in health or health-related areas and handle textiles from the following:

- (i) Hospitals—private, public and extended care facilities.
- (ii) Clinics.
- (iii) Dental services.
- (iv) Nursing homes.
- (v) Mental health institutions.
- (vi) General health care centres.

The products processed may include various items including all of those items listed under 'commercial' and the following:

- (A) General ward linen.
- (B) Operating theatre textiles.
- (C) Specialized hospital requirements (e.g. limb bags, ward curtains).
- (D) Staff uniforms.
- (E) Patients' apparel.
- (F) Patients' personal clothing.

### (d) INSTITUTIONAL

Institutional laundries operate in areas such as correctional institutions, remand centres and mental health institutions.

The products serviced may include those items contained in 'commercial' and 'hospital'.

### (e) ON-PREMISES

On-premises laundries generally operate in the hotel/motel industry, nursing homes, private hospitals and in the manufacturing industry. These laundries provide a service for their own internal use.

### (f) COIN-OPERATED

Coin-operated laundries are in a somewhat different category of laundry to the previously mentioned laundries. Although coin-operated laundries are generally intended for use by householders and small commercial operators (e.g. serviced units, boarding house operators), because of time constraints they are also sometimes used by the larger commercial operators who should use the commercial laundries. Accordingly, to ensure that the end result from these laundries is of a similar quality to other commercial laundries, coin-operated laundries have been included in the Scope of this Standard.

### STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

# Australian/New Zealand Standard Laundry practice

### SECTION 1 SCOPE AND GENERAL

### 1.1 SCOPE

This Standard specifies general laundry practice requirements and recommendations for commercial, industrial, hospital, institutional, on-premise and coin-operated laundries, as well as minimum performance requirements which are to be attained in order to provide an acceptable level of service.

### 1.2 OBJECTIVE

This Standard is intended to provide laundry operators as well as their clients with a common reference for acceptable laundry performance.

### 1.3 REFERENCED AND RELATED DOCUMENTS

### 1.3.1 Referenced documents

The following documents are referred to in this Standard:

AS

AS			
1169	Minimizing of combustion hazards arising from the medical use of flammable anaesthetic agents		
2001 2001.1 2001.2.3	Part 1:	est for textiles Conditioning procedures Physical tests—Determination of breaking force and extension of textiles fabrics	
2001.3.6	Method 3.6:	Chemical tests—Determination of cuprammonium fluidity of cotton and cellulosic man-made fibres	
3789 3789.4 3789.5	Textiles for h Part 4: Part 5:	nealth care facilities and institutions Wool blankets Wool blankets—Laundering procedures	
4480 4480.1	Textiles for health care facilities and institutions—Medical sheepskins Part 1: Product specification and testing		
AS/NZS 1957	Textiles—Care labelling		
ISO 2267	Surface active agents—Evaluation of certain effects of laundering—Methods of		

### 1.3.2 Related documents

cloth

4312

Attention is drawn to the following related documents:

Surface active agents—Methods of analysis and test for unsoiled cotton control

preparation and use of unsoiled cotton control cloth



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