

AS/NZS 3833:1998

Australian/New Zealand Standard™

---

**The storage and handling of mixed  
classes of dangerous goods in  
packages and intermediate bulk  
containers**

---

## AS/NZS 3833:1998

---

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CH/9, Safe Handling of Chemicals. It was approved on behalf of the Council of Standards Australia on 10 July 1998 and on behalf of the Council of Standards New Zealand on 6 July 1998. It was published on 5 September 1998.

---

The following interests are represented on Committee CH/9:

Air Conditioning and Refrigeration Wholesalers Association  
Australasian Railway Association  
Australian Chemical Specialties Manufacturers Association  
Australian Conservation Foundation  
Australian Council of Trade Unions  
Australian Fire Authorities Council  
Australian Government Analytical Laboratories  
Australian Institute of Petroleum  
Australian Paint Manufacturers Federation  
Avcare (National Association for Crop Protection and Animal Health)  
Department for Industrial Affairs, S.A.  
Department of Defence, Australia  
Department of Minerals and Energy, W.A.  
Environment Protection Authority of N.S.W.  
Institution of Engineers Australia  
Ministry of Health, New Zealand  
National Occupational Health and Safety Commission  
The New Zealand Chemical Industry Council  
New Zealand Fire Service  
Plastics and Chemicals Industry Association Incorporated  
Tranz Rail  
Victorian WorkCover Authority  
Work Health Authority N.T.  
WorkCover New South Wales  
Workplace Standards Authority (Tasmania)

Additional interests participating in preparation of Standard:

Retail Traders Association of N.S.W.  
Manufacturers, distributors and industrial users of dangerous goods

---

**Review of Standards.** To keep abreast of progress in industry, Joint Australian/New Zealand Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Joint Standards and related publications will be found in the Standards Australia and Standards New Zealand Catalogue of Publications; this information is supplemented each month by the magazines 'The Australian Standard' and 'Standards New Zealand', which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

---

AS/NZS 3833:1998

Australian/New Zealand Standard™

---

**The storage and handling of mixed  
classes of dangerous goods in  
packages and intermediate bulk  
containers**

---

First published as AS/NZS 3833:1998.

Published jointly by:

Standards Australia  
1 The Crescent,  
Homebush NSW 2140 Australia

Standards New Zealand  
Level 10, Radio New Zealand House,  
155 The Terrace,  
Wellington 6001 New Zealand

ISBN 0 7337 2180 X

## PREFACE

This Standard was prepared by the Standards Australia/Standards New Zealand Committee CH/9, Safe Handling of Chemicals. Preparation of this Standard was commenced following a request from the chemicals industry that a series of Standards be prepared on the storage and handling of dangerous goods.

The purpose of this Standard is to promote the safety of persons and property where mixed classes of dangerous goods are stored and handled, by providing requirements and recommendations that are based on industry best practices.

This Standard deals with the storage and handling of mixed classes of dangerous goods of Classes 1.4S, 2 (as consumer commodities or aerosols of UN 1950), 3, 4.1, 4.3, 5, 6.1, 8 and 9, and to combustible liquids, where such goods are kept in packages or in intermediate bulk containers (IBCs) having a capacity of up to 1.5 m<sup>3</sup>.

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.

Statements expressed in mandatory terms in notes to tables are deemed to be requirements of this Standard.

### © Copyright — STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Users of Standards are reminded that copyright subsists in all Standards Australia and Standards New Zealand publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia or Standards New Zealand may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia or Standards New Zealand. Permission may be conditional on an appropriate royalty payment. Australian requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia. New Zealand requests should be directed to Standards New Zealand.

Up to 10 percent of the technical content pages of a Standard may be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia or Standards New Zealand.

Inclusion of copyright material in computer software programs is also permitted without royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia or Standards New Zealand at any time.

## CONTENTS

	<i>Page</i>
FOREWORD .....	6
 SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE .....	8
1.2 APPLICATION .....	8
1.3 REFERENCED DOCUMENTS .....	10
1.4 DEFINITIONS .....	10
1.5 PACKAGING .....	15
1.6 MARKING .....	15
1.7 SECURITY OF STORAGE AREAS .....	15
 SECTION 2 MINOR STORAGE (AUSTRALIA ONLY)	
2.1 SCOPE OF SECTION .....	16
2.2 CRITERIA FOR CLASSIFICATION AS MINOR STORAGE .....	16
2.3 REQUIREMENTS APPLICABLE TO MINOR STORAGE .....	16
2.4 ADDITIONAL REQUIREMENTS FOR OUTDOOR MINOR STORAGE ...	17
 SECTION 3 RETAIL STORAGE	
3.1 SCOPE OF SECTION .....	19
3.2 APPLICATION .....	19
3.3 GENERAL REQUIREMENTS FOR RETAIL STORAGE .....	19
3.4 CONSUMER COMMODITIES .....	20
3.5 ADDITIONAL REQUIREMENTS FOR RETAIL DISTRIBUTION CENTRES STORING DANGEROUS GOODS ONLY IN CONSUMER COMMODITIES	22
3.6 ADDITIONAL REQUIREMENTS FOR THE RETAIL OUTLETS FOR POOL CHEMICALS .....	23
3.7 ADDITIONAL REQUIREMENTS FOR RETAIL OUTLETS FOR AGRICULTURAL CHEMICALS .....	24
3.8 ADDITIONAL REQUIREMENTS FOR RETAIL OUTLETS FOR PAINT ...	24
 SECTION 4 TRANSIT STORAGE (AUSTRALIA ONLY)	
4.1 SCOPE OF SECTION .....	27
4.2 DELINEATION OF TRANSIT STORAGE AREAS .....	27
4.3 REQUIREMENTS FOR TRANSIT STORAGE .....	27
4.4 SEPARATION DISTANCES .....	28
 SECTION 5 STORAGE AND HANDLING OF PACKAGES AND INTERMEDIATE BULK CONTAINERS	
5.1 SCOPE OF SECTION .....	29
5.2 APPLICATION OF SECTION .....	29
5.3 PLANNING .....	29
5.4 DESIGN AND CONSTRUCTION REQUIREMENTS .....	30
5.5 GENERAL REQUIREMENTS .....	33
5.6 STORAGE IN STACKS .....	33
5.7 STORAGE IN FREIGHT CONTAINERS .....	33
5.8 STORAGE IN CABINETS .....	33
5.9 OFFICES WITHIN STORES .....	34

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-