# Australian Standard®

Flammable and combustible liquids— Precautions against electrostatic ignition during tank vehicle loading



This Australian Standard® was prepared by Committee ME-017, Flammable and Combustible Liquids. It was approved on behalf of the Council of Standards Australia on 24 April 2008.

This Standard was published on 23 May 2008.

The following are represented on Committee ME-017:

- Agsafe
- Australasian Fire Authorities Council
- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Australian Institute of Petroleum
- Australian Paint Manufacturers Federation
- Department of the Premier and Cabinet, SA
- Department of Consumer and Employment Protection, WA
- Department of Defence
- Department of Emergency Services, Qld
- Department of Justice, Tas.
- Fire Protection Association of Australia
- Insurance Council of Australia
- Plastics and Chemicals Industries Association
- Victorian WorkCover Authority

This Standard was issued in draft form for comment as DR 07416.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

#### Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting www.standards.org.au

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at **mail@standards.org.au**, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

AS 4979—2008

# Australian Standard®

## Flammable and combustible liquids— Precautions against electrostatic ignition during tank vehicle loading

First published as AS 4979-2008.

#### COPYRIGHT

© Standards Australia

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia ISBN 0 7337 8706 1

AS 4979—2008

#### **PREFACE**

This Standard was prepared by Standards Australia Committee ME-017, Flammable and Combustible Liquids, as a Code of Practice that provides precautions that are intended to reduce the risk of electrostatic ignition during the loading of flammable and combustible liquids into road tank vehicles. It is based on the Australian Institute of Petroleum (AIP) CP 8—2000, Code of Practice—Precautions against electrostatic ignition during tank vehicle loading, which has been withdrawn by AIP.

This Standard is intended to provide minimum precautions against electrostatic ignition during tank vehicle loading. It is not intended to replace any statutory regulations in any area, which take precedence over the requirements of this Standard. The relevant regulatory authority having jurisdiction may determine the extent of application of this Standard.

Individual companies may have additional or special policies and requirements that exceed or vary the requirements set out in this Standard. In such situations, such companies also need to be consulted.

### CONTENTS

		Page
SECTION	ON 1 SCOPE AND APPLICATION	
1.1	SCOPE	4
1.2	APPLICATION	
1.3	REFERENCED DOCUMENTS	
1.4		
SECTION	ON 2 BASIC CONSIDERATIONS	
2.1	SCOPE OF SECTION	6
2.2	NATURE OF THE HAZARD	6
2.3	PRINCIPLES OF CONTROL	6
SECTION	ON 3 CONTROL MEASURES	
3.1	SCOPE OF SECTION	8
3.2	DESIGN ASPECTS OF FACILITIES AND EQUIPMENT	8
3.3	OPERATIONAL ASPECTS OF FACILITIES AND EQUIPMENT	8
3.4	CLOTHING AND FOOTWEAR	9
3.5	LOADING PROCEDURES	9
APPEN	NDICES	
A	REFERENCED DOCUMENTS AND BIBLIOGRAPHY	11
В	CLASSIFICATION OF PETROLEUM PRODUCTS BY VAPOUR PRESS	URE 13
C	FLAMMABILITY OF PETROLEUM PRODUCTS	14
D	INHERENT HAZARD LEVELS	15
E	SWITCH LOAD CHART	17
F	LOADING FLOW RATES	19



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

**Product Page** 

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