AS 2106.3—2005
ISO 3680:2004

AS 2106.3—2005

Australian Standard™

Methods for the determination of the flash point of flammable liquids (closed cup)

Part 3: Determination of flash/no flash—Rapid equilibrium closed cup method

STANDARDS AUSTRALIA

This Australian Standard was prepared by Committee CH-009, Safe Handling of Chemicals. It was approved on behalf of the Council of Standards Australia on 5 April 2005. This Standard was published on 26 April 2005.

The following are represented on Committee CH-009:

Air Conditioning and Refrigeration Wholesalers Association
Australasian Fire Authorities Council
Australasian Railway Association
Australian Consumer & Specialty Products Association
Australian Institute of Petroleum
Avcare
Consumers' Federation of Australia
Department of Emergency Services, Qld
Department of Environment and Conservation, N.S.W.
Department of Industry & Resources, W.A.
Engineers Australia
New Zealand Chemical Industry Association
New Zealand Fire Service
Plastics and Chemicals Industry Association
TRANZ Rail
Victorian WorkCover Authority

Keeping Standards up-to-date

Standards are living documents which 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 Standards may also be withdrawn.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 which may have been published since the Standard was purchased.

Detailed information about Standards can be found by visiting the Standards Web Shop at www.standards.com.au and looking up the relevant Standard in the on-line catalogue.

Alternatively, the printed Catalogue provides information current at 1 January each year, and the monthly magazine, *The Global Standard*, has a full listing of revisions and amendments published each month.

Australian Standards™ and other products and services developed by Standards Australia are published and distributed under contract by SAI Global, which operates the Standards Web Shop.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to the Chief Executive, Standards Australia, GPO Box 5420, Sydney, NSW 2001.

This Standard was issued in draft form for comment as DR 05031.

Australian Standard™

Methods for the determination of the flash point of flammable liquids (closed cup)

Part 3: Determination of flash/no flash—Rapid equilibrium closed cup method

Originated as part of AS 2106—1977.
Previous edition AS/NZS 2106.3:1999.
Revised and designated as AS 2106.3—2005.

Published by Standards Australia GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 6633 1

PREFACE

This Standard was prepared by Joint Australian/New Zealand Standards Committee CH-009, Safe Handling of Chemicals, to supersede AS/NZS 2106.3:1999, *Methods for the determination of the flash point of flammable liquids (closed cup)*, Part 3: *Flash/no flash test—Rapid equilibrium method*. It is identical with, and has been reproduced from ISO 3680:2004, *Determination of flash/no flash—Rapid equilibrium closed cup method*.

The objective of this Standard is to provide a rapid equilibrium method for determining whether or not a product under test has a flash point at, below, or above a selected temperature, using a smaller test portion (2 to 4 mL) than that required for some other methods.

The main changes between this edition and that published in 1999 include procedures on the calibration (verification) of apparatus and on sample handling.

As this publication has been reproduced from an International Standard, the following modifications apply:

(a) Its number does not appear on each page of text and its identity is shown on the cover and title page.

(b) In the source test ‘this ‘International Standard’ should read ‘this Australian Standard’.

(c) Substitute full point for a comma when referring to a decimal marker.

References to International Standards should be replaced by Australian Standards, as follows:

Reference to International Standard		*Australian Standard*	
ISO		AS/NZS	
1513	Paints and varnishes—Examination and preparation of samples for testing	1580	Paints and related materials—Methods of test
		1580.103.1	Method 103.1: Examination and preparation of samples for testing
		AS	
1516	Determination of flash/no flash—Closed cup equilibrium method	2106	Methods for the determination of the flash point of flammable liquids (closed cup)
		2106.5	Part 5: Determination of flash/no flash—Closed cup equilibrium method
3679	Determination of flash point—Rapid equilibrium closed cup method	2106.4	Part 4: Determination of flash point—Rapid equilibrium closed cup method

Other International Standards referenced in the source document have not been adopted as Australian Standards.

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

CONTENTS