

SAFEGUARDS

SGS CONSUMER TESTING SERVICES

HARDGOODS

NO. 003/13 JAN 2013

REVISION OF BRITISH STANDARD BS 1970:2012 FOR HOT WATER BOTTLES

The 2012 version of BS 1970 supersedes the previous version of BS 1970:2006 and was published in December 2012 and came into effect on 31 December 2012.

The main technical changes in the new edition include:

- The additional requirement in clause 4.3 (Filling Characteristics) that the inside faces are not to stick or block together during the filling test;
- In clause 6.4.3 (Tensile tests for PVC hot water bottles), the reduction of the minimum elongation at break of PVC test pieces from 200% to 150%;
- Additional safety instructions in Clause 8 (Informative labeling) on labeling and information.

Hot water bottles are, in general, manufactured from either rubber or polyvinyl chloride (PVC). Hot water bottles have been widely used in EU communities for many years and are easy to use for providing warmth, so they are particularly attractive for use by the elderly and infants due to the nature of the product.



In recent years, the volume of sales of this product has continued to increase, indicating that the community perceives benefits from hot water bottles and that there is no other real direct substitute product. In consequence, it is likely to lead to an increase in burns, although around half of accidents with hot-water bottles are the result of improper filling or care, at least half were the result of spontaneous bursting.

SGS

The aim of BS 1970:2012 is to provide the minimum specification for safe hot water bottles and, in so doing, prevent some of the injuries that might have been a consequence of unsafe products. This new edition (the 5th edition) incorporates technical change to the 2006 edition, which also covers the new products that were not reflected in the requirements of the previous edition. Requirements of BS 1970 relate to composition, physical properties, closures, performance and marking of hot water bottles.

At SGS our services enable you to deliver well-designed, functional, durable and safe products to your customers. Our extensive network of Hardgoods laboratories has the expertise to check your products' compliance against relevant standards and/or your own specifications. Please do not hesitate to contact us for further information or [visit our website](#).



FOR ENQUIRIES:

Global Competence Support Centre: gcsc@sgs.com

CN–Henry Cheng Tel: +86-21-61402666 ext2788 or Henry-SH.Cheng@sgs.com

HK–Birkoff Chen Tel: +852 2765 3561 or Birkoff.Chen@sgs.com

UK–David Smith Tel: +44 (0) 2030087860 or David.Smith@sgs.com

Asia – Hong Kong. Tel: +852 2334 4481 Fax: +852 2144 7001 mktg.hk@sgs.com

Australasia – Perth. Tel: +61 (0) 3 9790 3418 Fax: +61 (0) 3 9701 0988 au.cts@sgs.com

Europe – London – UK. Tel: +44(0) 203 008 7860 Fax: +44 (0) 203 00 7870 gb.cts.sales@sgs.com

Africa & Middle East – Turkey. Tel: +90 212 368 40 00 Fax: +90 212 296 47 82 sgs.turkey@sgs.com

Americas – USA. Tel: +1 973 575 5252 Fax: +1 973 575 7175 uscts.inquiries@sgs.com

www.sgs.com/cts Global Competence Support Centre: gcsc@sgs.com

If you wish to unsubscribe to this technical bulletin, go here: [Unsubscribe](#)

©2013 SGS SA. All rights reserved. This is a publication of SGS, except for 3rd parties' contents submitted or licensed for use by SGS. SGS neither endorses nor disapproves said 3rd parties contents. This publication is intended to provide technical information and shall not be considered an exhaustive treatment of any subject treated. It is strictly educational and does not replace any legal requirements or applicable regulations. It is not intended to constitute consulting or professional advice. The information contained herein is provided "as is" and SGS does not warrant that it will be error-free or will meet any particular criteria of performance or quality. Do not quote or refer any information herein without SGS's prior written consent.

WHEN YOU NEED TO BE SURE

SGS