

Carpet cleaning products —

Part 2: Specification for high-foam formulations used in liquid form

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Chemicals Standards Policy Committee (CIC/-) to Technical Committee CIC/35, upon which the following bodies were represented:

British Aerosol Manufacturers' Association
 British Association for Chemical Specialities
 British Carpet Manufacturers' Association Ltd.
 British Institute of Cleaning Science
 Carpet Cleaners' Association
 Consumer Policy Committee of BSI
 Cosmetic, Toiletry and Perfumery Association Limited
 Industrial Cleaning Machine Manufacturers' Association (Beama Ltd.)
 International Wool Secretariat
 National Health Services
 Soap and Detergent Industry Association
 Society of Dyers and Colourists
 Textile Institute
 WIRA

This British Standard, having been prepared under the direction of the Chemicals Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 February 1994

© BSI 08-1999

The following BSI references relate to the work on this standard:
 Committee reference CIC/35
 Draft for comment 93/503065 DC

ISBN 0 580 22737 5

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
<hr/>	
1 Scope	1
2 References	1
3 Definitions	1
4 Sampling	1
5 Oxidizing and reducing agents	1
6 Fastness to light	1
7 Colour fastness	1
8 pH value	1
9 Alkalinity	1
10 Resistance to resoiling	1
11 Cleaning performance	1
12 Instructions for use	2
13 Marking	2
<hr/>	
List of references	Inside back cover
<hr/>	

Foreword

This Part of BS 4088 has been prepared under the direction of the Chemicals Standards Policy Committee. Together with BS 4088-1.1 it supersedes BS 4088:1981 which is withdrawn.

The revision of BS 4088, which is intended for the use of manufacturers and users of carpet cleaning products, is being published as follows:

- *Part 1: Methods of sampling and test;*
- *Section 1.1: General methods for formulations used in liquid form;*
- *Part 2: Specification for high-foam formulations used in liquid form.*

The completed revision of BS 4088 differs from the 1981 edition principally in the following respects.

- a) Requirements and test methods for optical brightening agents and for the effect on carpet backing have been omitted.
- b) Requirements and test methods for alkalinity and fastness to light have been added.

It is intended to extend the standard to include further Parts specifying requirements and methods of test for other types of carpet cleaning product.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 and 2, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

1 Scope

This Part of BS 4088 specifies requirements for physical, chemical and performance properties of high-foam formulations (hereafter referred to as “the product”) to be used with water for cleaning textile floor coverings. Requirements for labelling and instructions for use are also specified.

This Part of BS 4088 does not apply to aerosol and pump-action (trigger-spray) products, nor to products designated solely for stain removal.

NOTE 1 High-foam formulations are often referred to as “shampoos” because of their property of foam formation.

NOTE 2 Products containing additives with functions other than cleaning may conform to this Part of BS 4088. Typical additives include optical brightening agents, colourants, preservatives, antimicrobial agents, soil- and stain-resistance agents, perfume and odour neutralizing compounds.

2 References

2.1 Normative references

This Part of BS 4088 incorporates, by reference, provisions from specific editions of other publications. These normative references are cited at the appropriate points in the text and the publications are listed on the inside back cover. Subsequent amendments to, or revisions of, any of these publications apply to this Part of BS 4088 only when incorporated in it by updating or revision.

2.2 Informative references

This Part of BS 4088 refers to other publications that provide information or guidance. Editions of these publications current at the time of issue of this standard are listed on the inside back cover, but reference should be made to the latest editions.

3 Definitions

For the purposes of this Part of BS 4088, the following definitions apply.

3.1

carpet

textile floor covering

3.2

high-foam formulations

product designed for dispersion in water for the cleaning, other than stain removal, of carpets by surface application of foam, or by formation of foam in situ using carpet shampooing appliances or manual shampooing techniques and without substantially wetting the back of the carpet

3.3

working strength

the strength produced by diluting the product in water in accordance with the instructions for use recommended by the manufacturer

4 Sampling

Sampling shall be in accordance with 4.1 of BS 4088-1.1:1994.

5 Oxidizing and reducing agents

When tested in accordance with clause 6 of BS 4088-1.1:1994, there shall be no oxidizing agents and no reducing agents present in the product.

6 Fastness to light

When tested in accordance with clause 7 of BS 4088-1.1:1994, the effect of the product at working strength on the shade of all six fibre types of the test strips shall not be greater than that caused by the reference shampoo.

7 Colour fastness

When tested in accordance with clause 8 of BS 4088-1.1:1994, the product at working strength shall cause no greater staining of the undyed fabrics than water.

8 pH value

When tested in accordance with clause 9 of BS 4088-1.1:1994, the pH value of the product, both as supplied and at working strength, shall not be below 5.5 at 20 °C.

NOTE It is recommended that the product should give a pH value of 7 ± 1.5 both as supplied and at working strength.

9 Alkalinity

If the pH value (see clause 8) exceeds 7, the alkalinity of the product at working strength shall not exceed 14 μmol when tested in accordance with clause 10 of BS 4088-1.1:1994.

10 Resistance to resoiling

When determined in accordance with clause 11 of BS 4088-1.1:1994, the resistance to resoiling of carpet test pieces cleaned using the product at working strength shall not be less than carpet cleaned by water conforming to the requirements of grade 3 of BS 3978:1987.

11 Cleaning performance

When determined in accordance with clause 12 of BS 4088-1.1:1994, the cleaning performance at working strength of the product shall not be less than carpet cleaned by the reference shampoo.

12 Instructions for use

A product label or information card or tag shall include the following:

- a) a requirement to vacuum thoroughly prior to cleaning;
- b) the necessity to test for colour fastness in an inconspicuous area by rubbing with a clean, white, cotton cloth dipped in the product at working strength with the cloth remaining unstained;
- c) full dilution instructions, with the area that can be cleaned (in square metres) given for a specified volume (in millilitres or litres);
- d) full instructions on the method of application, e.g. "Agitate to generate a foam, apply foam to the carpet. Clean a small area at a time starting from the end furthest from the door.";
- e) a warning against overwetting, indicating the likely consequences, e.g. shrinkage, staining, mildew formation;
- f) details of removing surplus foam and returning the pile to its normal lay, and the necessity of allowing the carpet to dry thoroughly;
- g) details of protecting the carpet from marking, until the carpet is dry, by placing protective waterproof material, e.g. plastics sheet, under metal castors, etc;
- h) the necessity to avoid walking on the carpet while it is still damp;
- i) to vacuum thoroughly when dry.

13 Marking

The product shall be clearly labelled with the following information:

- a) the manufacturer's name or registered trade mark;
- b) the manufacturer's batch number or similar means of production identification;
- c) the legend "This product conforms to BS 4088-2:1994" or "BS 4088/2"¹⁾;
- d) a statement warning of damage likely to arise through misuse, including a clear reference to any carpet fibres with which the product is not compatible.

NOTE 1 Attention is drawn to the Chemicals (Hazard Information and Packaging) Regulations SI 1993, No 1746 [1] and amendments thereof currently in force.

NOTE 2 Attention is drawn to the EEC Commission Recommendation for the labelling of detergents and cleaning products (89/542/EEC) [2] dated 13 September 1989 and any amendments thereof.

NOTE 3 Attention is drawn to instructions for consumer products [3] published by DTI.

¹⁾ Marking BS 4088-2:1994 on or in relation to a product represents a manufacturer's declaration of conformity, i.e a claim by or on behalf of the manufacturer that the product meets the requirements of the standard. The accuracy of the claim is solely the claimant's responsibility. Such a declaration is not to be confused with third party certification of conformity, which may also be desirable.

List of references (see clause 2)

Normative references

BSI standards publications

BRITISH STANDARDS INSTITUTION, London

BS 3978:1987, *Specification for water for laboratory use.*

BS 4088, *Carpet cleaning products.*

BS 4088-1, *Methods of sampling and test.*

BS 4088-1.1:1994, *General methods for formulations used in liquid form.*

Informative references

Other references

[1] GREAT BRITAIN. Chemicals (Hazard Information and Packaging) Regulations SI 1993, No 1746, London: HMSO.

[2] EEC. Recommendations for the Labelling of Detergents and Cleaning Products. EEC Commission Directive 89/542/EEC.

[3] GREAT BRITAIN. Instructions for consumer products (DTI) 1988. London: HMSO.

BSI — British Standards Institution

BSI is the independent national body responsible for preparing British Standards. It presents the UK view on standards in Europe and at the international level. It is incorporated by Royal Charter.

Revisions

British Standards are updated by amendment or revision. Users of British Standards should make sure that they possess the latest amendments or editions.

It is the constant aim of BSI to improve the quality of our products and services. We would be grateful if anyone finding an inaccuracy or ambiguity while using this British Standard would inform the Secretary of the technical committee responsible, the identity of which can be found on the inside front cover. Tel: 020 8996 9000. Fax: 020 8996 7400.

BSI offers members an individual updating service called PLUS which ensures that subscribers automatically receive the latest editions of standards.

Buying standards

Orders for all BSI, international and foreign standards publications should be addressed to Customer Services. Tel: 020 8996 9001. Fax: 020 8996 7001.

In response to orders for international standards, it is BSI policy to supply the BSI implementation of those that have been published as British Standards, unless otherwise requested.

Information on standards

BSI provides a wide range of information on national, European and international standards through its Library and its Technical Help to Exporters Service. Various BSI electronic information services are also available which give details on all its products and services. Contact the Information Centre. Tel: 020 8996 7111. Fax: 020 8996 7048.

Subscribing members of BSI are kept up to date with standards developments and receive substantial discounts on the purchase price of standards. For details of these and other benefits contact Membership Administration. Tel: 020 8996 7002. Fax: 020 8996 7001.

Copyright

Copyright subsists in all BSI publications. BSI also holds the copyright, in the UK, of the publications of the international standardization bodies. Except as permitted under the Copyright, Designs and Patents Act 1988 no extract may be reproduced, stored in a retrieval system or transmitted in any form or by any means – electronic, photocopying, recording or otherwise – without prior written permission from BSI.

This does not preclude the free use, in the course of implementing the standard, of necessary details such as symbols, and size, type or grade designations. If these details are to be used for any other purpose than implementation then the prior written permission of BSI must be obtained.

If permission is granted, the terms may include royalty payments or a licensing agreement. Details and advice can be obtained from the Copyright Manager. Tel: 020 8996 7070.