Government of Canada | Gouvernement du Canada
Canadian General Standards Board | Office des normes générales du Canada

Series 2
Série des 2

WITHDRAWAL

March 2012

Selected standards in the series Soaps and detergents

These National Standards of Canada are hereby withdrawn due to limited use and support for their revision.

The Standards Council of Canada requires that accredited Standards Development Organizations, such as the CGSB, regularly review a consensus Standard to determine whether to re-approve, revise or withdraw. The review cycle is normally five years from the publication date of the latest edition of the Standard.

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RETRAIT

Mars 2012

Sélection de normes de la série Savons et détergents

Ces Normes nationales du Canada sont retirées par le présent avis en raison de leur utilisation limitée et du manque de support pour leur révision.

Le Conseil canadien des normes exige que les organismes accrédités d'élaboration de normes, tel que l'ONGC, effectue régulièrement un examen des normes consensuelles afin de déterminer s'il y a lieu d'en renouveler l'approbation, de les réviser ou de les retirer. Le cycle d'examen d'une norme est généralement de cinq ans à partir de la date de publication de la dernière édition de celle-ci.

L'information contenue dans ces normes a été élaborée initialement en vertu d'une initiative volontaire d'élaboration de normes de l'ONGC. Elle peut ne plus représenter l'information disponible et/ou l'information la plus actuelle ou la plus fiable à ce sujet. L'ONGC décline par la présente toute responsabilité à l'égard de toute affirmation, déclaration ou garantie de validité scientifique ou d'exactitude technique implicite ou explicite relative à l'information contenue dans ces normes. L'ONGC n'assumera aucune responsabilité et ne sera pas tenu responsable quant à toute erreur, omission, inexactitude ou autre conséquence pouvant découler de la fourniture ou de l'utilisation subséquente de cette information. Ces normes doivent être consultées à des fins archivistiques

the date on this withdrawal notice.

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CAN/CGSB-2.60-92

Remover for Water-Emulsion Floor Polish and Wax (ICS 71.100.40)

CAN/CGSB-2.107-92

General Purpose Built Liquid Detergent (ICS 71.100.40)

CAN/CGSB-2.160-95

General Purpose, Germicidal Detergent (ICS 71.100.40)

seulement puisque leur contenu a été révoqué à la date du présent avis de retrait.

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CAN/CGSB-2.60-92

Décapant pour sols recouverts de cire et d'encaustique, de type émulsion aqueuse (ICS 71.100.40)

CAN/CGSB-2.107-92

Détergent liquide d'usage général additionné d'agents améliorant la détergence (ICS 71.100.40)

CAN/CGSB-2.160-95

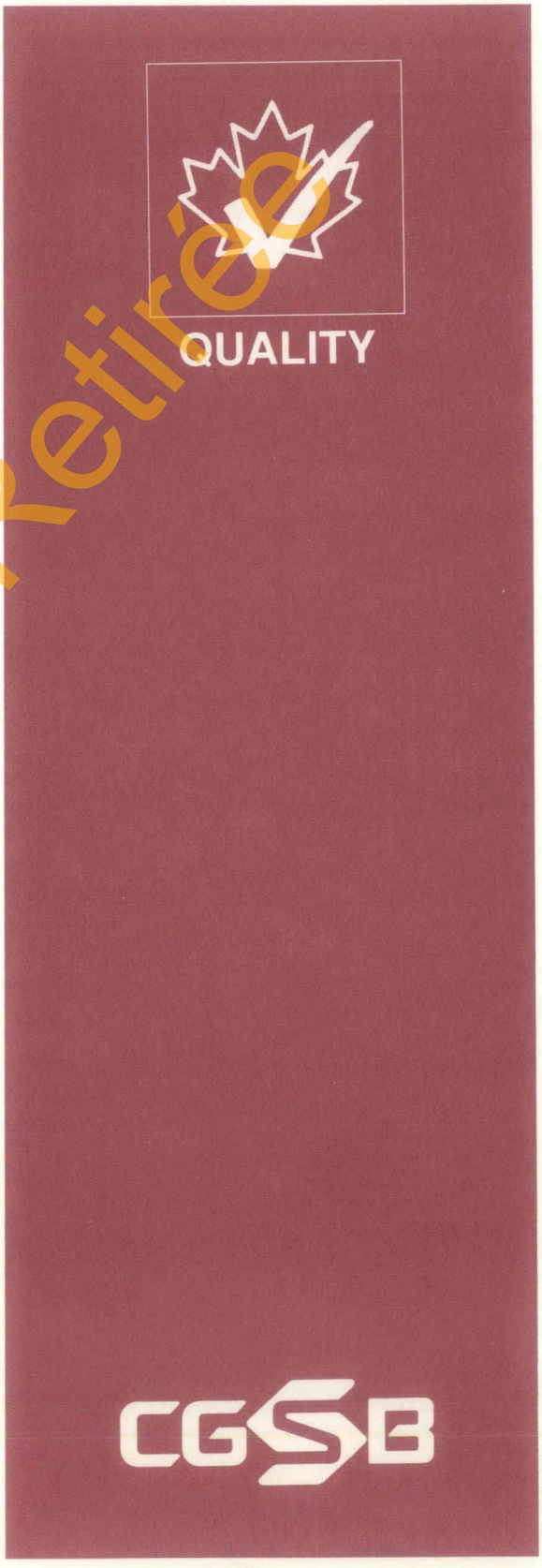
Détergent liquide germicide, à usage général (ICS 71.100.40)

NATIONAL STANDARD OF CANADA

CAN/CGSB-2.107-92

Supersedes 2-GP-107M

General Purpose Built Liquid Detergent



Withdrawn/Retirée

Canadian General Standards Board

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An up-to-date listing of CGSB standards, including details on latest issues and amendments, and ordering instructions, will be found in the CGSB Catalogue, which is published annually and is available without charge upon request.

Although the intended primary application of this standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the standard to judge its suitability for their particular purpose.

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Canadian General Standards Board
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K1A 1G6

The STANDARDS COUNCIL OF CANADA is the co-ordinating body of the National Standards System, a federation of independent, autonomous organizations working towards the further development and improvement of voluntary standardization in the national interest.

The principal objectives of the Council are to foster and promote voluntary standardization as a means of advancing the national economy, benefiting the health, safety and welfare of the public, assisting and protecting the consumer, facilitating domestic and international trade, and furthering international co-operation in the field of standards.

A National Standard of Canada is a standard which has been approved by the Standards Council of Canada and one which reflects a reasonable agreement among the views of a number of capable individuals whose collective interests provide, to the greatest practicable extent, a balance of representation of producers, users, consumers and others with relevant interests, as may be appropriate to the subject in hand. It normally is a standard that is capable of making a significant and timely contribution to the national interest.

Approval of a standard as a National Standard of Canada indicates that a standard conforms to the criteria and procedures established by the Standards Council of Canada. Approval does not refer to the technical content of the standard; this remains the continuing responsibility of the accredited standards-writing organization.

Those who have a need to apply standards are encouraged to use National Standards of Canada whenever practicable. These standards are subject to periodic review; therefore, users are cautioned to obtain the latest edition from the organization preparing the standard.

The responsibility for approving National Standards of Canada rests with the:

Standards Council of Canada
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Ottawa, Ontario
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NATIONAL STANDARD OF CANADA

CAN/CGSB-2.107-92

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September 1984

GENERAL PURPOSE BUILT LIQUID DETERGENT

The Canadian General Standards Board administers a Qualification Listing Program for products conforming to the requirements of this standard. Further information on the listing program is available from the Quality Certification Branch of CGSB.

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Approved by the
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Acknowledgment is made for the French translation of this National Standard of Canada by the Translation Bureau of the Department of the Secretary of State.

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CANADIAN GENERAL STANDARDS BOARD

GENERAL PURPOSE BUILT LIQUID DETERGENT

1. SCOPE

1.1 This standard states requirements for a liquid mixture of synthetic detergents for use in general maintenance and cleaning operations.

1.2 For more detailed information on intended uses, see par. 7.2.

1.3 The testing and evaluation of a product against this standard may require the use of materials and/or equipment that could be hazardous. This document does not purport to address all the safety aspects associated with its use. Anyone using this standard has the responsibility to consult the appropriate authorities and to establish appropriate health and safety practices in conjunction with any existing applicable regulatory requirements prior to its use.

2. APPLICABLE PUBLICATIONS

2.1 The following publications are applicable to this standard:

2.1.1 Canadian General Standards Board (CGSB)

2-GP-11 — Methods of Testing and Analysis of Soaps and Detergents.

2.1.2 ASTM

D 820 — Method of Chemical Analysis of Soaps Containing Synthetic Detergents.

2.2 Reference to the above publications is to the latest issues, unless otherwise specified by the authority applying this standard. The sources of these publications are shown in the Notes section.

3. GENERAL REQUIREMENTS

3.1 The detergent shall be suitable for general cleaning, particularly of floors and painted or lacquered surfaces, when soft or hard water is used.

3.2 It shall be a clear homogeneous liquid, free from visible foreign matter.

3.3 It shall have no injurious effect on the skin.

3.4 It shall be free from objectionable odour, both as received, and in solution in hot water, and shall not develop such odour in storage within twelve months of delivery.

3.5 The product shall be stable, and shall not lose effectiveness or otherwise deteriorate when retained in an unopened container at ordinary storage temperatures within the range of 10 to 40°C for a period of one year.

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4. DETAILED REQUIREMENTS

The detergent shall comply with the following detailed requirements, expressed on the basis of the sample as received:

		Min.	Max.	Test Method
4.1	Soap, % by mass	(to be determined as anhydrous, salt-free soda soap but not limited)		ASTM D 820 (Note 1)
4.2	Synthetic detergent, % by mass	1.0	15.0	ASTM D 820
4.3	Alcohol insoluble matter (builders), % by mass	2.0	15.0	2-GP-11/9.2
4.4	Total detergent plus builders	8.0	—	
4.5	pH (2% aqueous solution) (Note 2)	8.0	11.0	2-GP-11/18.1

4.6 **Cleaning Efficiency** — When tested in accordance with CGSB standard 2-GP-11, Method 20.3, a solution of 2% by volume (2 volumes of compound to 98 volumes of synthetic hard water, (300 mg/L) (Note 3) shall exhibit a cleaning efficiency of not less than 80%.

4.7 **Rinsing Properties** — When tested in accordance with CGSB standard 2-GP-11, Method 31.2, a 2% solution (2 volumes of the compound to 98 volumes of synthetic hard water (300 mg/L) (Note 3) of the cleaner shall be free rinsing.

4.8 **Low-Temperature Stability** — When tested in accordance with CGSB standard 2-GP-11, Method 43.1, after the product has been held at 0°C for 24 h and then brought to room temperature, it shall be a clear and homogeneous liquid.

4.9 **High-Temperature Stability** — After the product has been held at 50°C for 24 h and then brought to room temperature, it shall be a clear and homogeneous liquid.

4.10 **Deleterious Action on Vinyl and Vinyl Composite Flooring** — When tested in accordance with CGSB standard 2-GP-11, Method 44.2, a 10% solution (1 volume of compound to 9 volumes of distilled water) of the compound shall not cause any softening, swelling or cracking of tile flooring.

4.11 **Stability to Hard Water** — When 1 part by volume of the compound is added to 3 parts by volume of standard hard water (300 mg/L as $CaCO_3$) (Note 3), the resultant mixture shall be clear after standing for 24 h.

5. PREPARATION FOR DELIVERY

5.1 **Packaging, Packing and Marking** — Unless otherwise specified (par. 7.1), normal commercial packaging, packing and marking shall be acceptable.

5.2 **Labelling** — The labelling information shall caution that the material must be kept from freezing unless the product is capable of sustaining at least three freeze/thaw cycles as determined in par. 4.8.

6. INSPECTION

6.1 **Sampling** — Sampling shall be carried out in accordance with CGSB standard 2-GP-11, Method 1.3.

Note 1: Sample mass to be suitably adjusted to provide for a liquid product of approximately 15 to 20% solids.
Note 2: 2 volumes of the material as received in 98 volumes of distilled water.
Note 3: Prepared by adding 353 mg *of calcium acetate* ($Ca(C_2H_3O_2)_2 \cdot H_2O$) *and* 246 mg *of magnesium sulfate* ($MgSO_4 \cdot 7H_2O$) *to sufficient distilled water to make one litre.*

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6.2 **Preparation of Samples** — The preparation of samples in the laboratory shall be carried out in accordance with CGSB standard 2-GP-11, Method 2.

7. NOTES

7.1 **Option** — The following option must be specified in the application of this standard:

a. Packaging, packing and marking details, if normal commercial practice is not suitable (par. 5.1).

7.2 **Intended Uses** — The cleaning compound covered by this standard is intended for use in general maintenance and cleaning operations. It is not intended for use in cleaning operations where abrasive-type compounds are normally required. This product is generally used for the removal of occupational soil from painted surfaces, floors, ceilings and equipment. It is applied with a cloth, mop, sponge or brush, as a solution prepared with either soft, hard or sea water. THIS MATERIAL IS NOT INTENDED FOR USE ON AIRCRAFT SURFACES OR AS A WAX STRIPPER. Products produced in accordance with CAN/CGSB-2.112 or CAN/CGSB-2.60 are designed for this latter purpose.

CAUTION: Material produced to this standard must not be used on terrazzo floors or wood floors that have not been properly sealed.

7.3 **Sources of Referenced Publications**

7.3.1 The publication referred to in par. 2.1.1 may be obtained from the Canadian General Standards Board, Sales Centre, Ottawa, Canada K1A 1G6. Telephone (613) 941-8703 or (613) 941-8704. Fax (613) 941-8705.

7.3.2 The publications referred to in par. 2.1.2 may be obtained from ASTM, 1916 Race Street, Philadelphia, PA 19103, U.S.A. or from the Standards Council of Canada, Standards Sales Branch, 45 O'Connor Street, Suite 1200, Ottawa, Ontario K1P 6N7.

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