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Series 2
Série des 2

WITHDRAWAL

RETRAIT

February 2012

Février 2012

Selected standards in the series Soaps and detergents

Sélection de normes de la série Savons et détergents

These National Standards of Canada are hereby withdrawn due to limited use and support for their revision.

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.

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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CAN/CGSB-2.1-96

Skin Cleaning Lotion (ICS 71.100.70)

CAN/CGSB-2.5-93

Toilet Soap (ICS 71.100.70)

CAN/CGSB-2.9-97

Scouring Powder (ICS 71.100.40)

CAN/CGSB-2.11-94

Methods of Sampling and Testing Soaps and Detergents (ICS 71.040.40)

CAN/CGSB-2.16-94

Waterless Hand Cleaner (ICS 71.100.70)

CAN/CGSB-2.19-96

Hand Dishwashing Compound (ICS 71.100.40)

CAN/CGSB-2.20-94

Machine Dishwashing Compound (ICS 71.100.40)

CAN/CGSB-2.22-97

Concentrated Dishwashing Rinse Additive (ICS 71.100.40)

CAN/CGSB-2.34-95

Guide to the Selection and Use of Soaps and Detergents (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-2.1-96

Lotion nettoyante pour la peau (ICS 71.100.70)

CAN/CGSB-2.5-93

Savon de toilette (ICS 71.100.70)

CAN/CGSB-2.9-97

Poudre à récurer (ICS 71.100.40)

CAN/CGSB-2.11-94

Méthodes d'échantillonnage et d'essai des savons et détergents (ICS 71.040.40)

CAN/CGSB-2.16-94

Nettoie-mains employé sans eau (ICS 71.100.70)

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Détergent pour lavage de la vaisselle à la main (ICS 71.100.40)

CAN/CGSB-2.20-94

Détergent pour lave-vaisselle (ICS 71.100.40)

CAN/CGSB-2.22-97

Agent de rinçage concentré pour lave-vaisselle (ICS 71.100.40)

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Guide pour le choix et l'utilisation des savons et détergents (ICS 71.100.40)

CAN/CGSB-2.42-97

Stain Remover for Tableware (ICS 71.100.40)

CAN/CGSB-2.43-93

Scale-Removing Compound for Lime Deposits (ICS 71.100.40)

CAN/CGSB-2.46-95

Toilet Bowl and Urinal Cleaning Compound (ICS 71.100.40)

CAN/CGSB-2.47-94

Toilet Bowl Cleaning Compound (Granular or Crystalline) (ICS 71.100.40)

CAN/CGSB-2.49-94

Alkali Drain Cleaner (ICS 71.100.40)

CAN/CGSB-2.112-92

Remover for Water-Emulsion Floor Polish (ICS 71.100.40)

CAN/CGSB-2.141-92

General-Purpose Powder Cleaning Compound (ICS 71.100.40)

CAN/CGSB-2.175-93

Concentrated Nonionic, Unbuilt Liquid Detergent (ICS 71.100.40)

CAN/CGSB-2.180-94

Carpet and Upholstery Shampoo (ICS 71.100.40)

CAN/CGSB-2.42-97

Détachant pour vaisselle (ICS 71.100.40)

CAN/CGSB-2.43-93

Décapants pour dépôts calcaires (ICS 71.100.40)

CAN/CGSB-2.46-95

Produit de nettoyage pour cuvette de toilette et urinoir (ICS 71.100.40)

CAN/CGSB-2.47-94

Produit de nettoyage pour cuvette de toilette (Granules ou cristaux) (ICS 71.100.40)

CAN/CGSB-2.49-94

Produit de nettoyage alcalin pour tuyaux d'écoulement (ICS 71.100.40)

CAN/CGSB-2.112-92

Décapant pour planchers revêtus de cire de type émulsion aqueuse (ICS 71.100.40)

CAN/CGSB-2.141-92

Poudre de nettoyage, d'usage général (ICS 71.100.40)

CAN/CGSB-2.175-93

Détergent liquide concentré non ionique, sans additifs (ICS 71.100.40)

CAN/CGSB-2.180-94

Shampooing pour tapis et tissus d'ameublement (ICS 71.100.40)

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CAN/CGSB-2.34-95

Supersedes CAN/CGSB-2.34-M90

Guide to the Selection and Use of Soaps and Detergents

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National Standard of Canada

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NATIONAL STANDARD OF CANADA

CAN/CGSB-2.34-95

Supersedes CAN/CGSB-2.34-M90

GUIDE TO THE SELECTION AND USE OF SOAPS AND DETERGENTS

The Canadian General Standards Board administers a number of Qualification Listing Programs for some of the products conforming to the requirements of the standards referenced in this guide. Further information on the listing programs is available from the Conformity Assessment Directorate of CGSB.

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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.

CANADIAN GENERAL STANDARDS BOARD

GUIDE TO THE SELECTION AND USE OF SOAPS AND DETERGENTS

1. SCOPE

1.1 This standard is intended for use as a guide in the correct choice of standard products for cleaning operations in public buildings and equipment. The standard is divided into two parts as follows:

1.1.1 Part 1 contains general recommendations and precautions on the cleaning of floors, walls and woodwork in public buildings.

1.1.2 Part 2 gives a summary of form, properties and uses of soaps, detergents and cleaning agents covered by the CAN/CGSB-2 series of standards.

Note: A map showing the hardness of Canadian surface waters is given in Appendix A.

1.2 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.

PART 1

SELECTION AND USE OF SOAPS,
DETERGENTS AND RELATED PRODUCTS
DESCRIBED BY THE CAN/CGSB-2 SERIES OF STANDARDS

The following information is a guide for the users of soaps, detergents and related products. The CAN/CGSB-2 series of standards covers cleaning products for use in the maintenance of buildings and equipment under a wide range of conditions. It is most important that the right product be chosen for each job and that it be properly used.

Standards may be unjustly condemned for providing products of inferior quality when, in fact, the products have been improperly applied because instructions have not been carefully followed. The attitude that "If ten grams per litre is called for, then a handful will do the trick" is not always correct. Too liberal use of cleaning solutions, over-concentration, choice of the wrong product, lack of or inadequate rinsing — all these factors may result in damage to floors and other surfaces. An important factor to consider is the tendency for personnel to prefer certain brand name products, or products they are familiar with. Also, although a group of products may meet the requirements of a standard, users may indicate preferences since the product of their choice may indeed exhibit better performance because it surpasses the standard requirements. Careful attention to the choice of product and adequate supervision of personnel will solve many of the problems that may arise in the maintenance of buildings.

It is important to remember that the full benefits of using standards can only be achieved by adequate quality assurance programs to ensure that the products do in fact meet the standards. There are many different types of materials in buildings and equipment that are subject to soiling and subsequent cleaning. These materials are chosen for both utility and aesthetic reasons. Either or both of these properties may be damaged by the wrong cleaning materials or procedures. The following is a list of a few of these building materials and surfaces, together with precautions and general recommendations on preferred cleaners and cleaning techniques.

FLOORS

Wood — The use of water and strongly alkaline cleaners should be avoided as much as possible. When it is necessary to use water and cleaner, use only enough to obtain the desired results. Fine steel wool or plastic equivalent will facilitate cleaning. Where there are no fire or ventilation hazards, dry-cleaning solvent (CAN/CGSB-3.8) and solvent-type liquid waxes may be

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used. In the latter case, pour wax on the floor and scrub with fine steel wool or nylon pads with a scrubber or polishing machine. Wipe off surplus wax and soil with cotton mops. When the floor is dry, buff to a polish. The solvent-wax method should not be used where floors are to be resealed or the old sealer is to be patched. Caution: The use of water and water-based compounds should be avoided on unsealed floors.

Cork Tile — Use a minimum of water with mild synthetic detergent (CAN/CGSB-2.107). Soaps, unless well rinsed, tend to leave a soapy film after continuous use, especially in hard-water areas. Alkaline cleaners and solvents should not be used. Caution: The use of water and water-based compounds should be avoided on unsealed floors.

Ceramic Tile — Unglazed tile, frequently used in floors of washrooms, should be cleaned with a neutral detergent (CAN/CGSB-2.175) and water. For highly soiled areas, a mild detergent (CAN/CGSB-2.107) may be used occasionally. Strong alkalies are injurious to the grout and must be avoided. Mild abrasive powders (CAN/CGSB-2.9, Type B) may be used for scouring dirty, unglazed tile floors. Synthetic cleaners (CAN/CGSB-2.107 and CAN/CGSB-2.175) recommended above are suitable for use on glazed tile.

Asphalt Tile — This tile may be cleaned with any of the usual soaps or detergents. Solvents are detrimental to asphalt tile surfaces and must be avoided at all times. Long-term effects of strong caustic soaps may cause pebbling.

Rubber Tile — Mopping with clear water is a common daily maintenance practice. Synthetic detergent cleaners (CAN/CGSB-2.107) may be used when required. Soaps should be avoided, as slippery films may result, especially in hard-water areas. Strong alkalies must not be used. Stubborn soils may be removed with the assistance of a heavy-duty cleaner (CAN/CGSB-2.141). Alcohol may be used to remove materials that it will dissolve. Petroleum-type solvents, paint thinners and chlorinated solvents are very detrimental to rubber tile.

Urethane Vinyl Coated Tiles — Mopping with clear water is a common daily maintenance practice where floors do not get very dirty. A mild synthetic detergent (CAN/CGSB-2.107) may be added to the water for the cleaning of highly soiled areas.

Linoleum — Linoleum should not be cleaned with products containing alkali, an exception being the removal of water-emulsion-type wax with stripper (CAN/CGSB-2.112) containing a small amount of ammonia. Clear water mopping may be used as a daily routine where floors do not get very dirty. Otherwise mild synthetic detergent (CAN/CGSB-2.107) may be added to the water. Thorough rinsing and drying is important. Flooding a floor with water or the cleaning solution may damage the backing or loosen the adhesive. To remove isolated stains, an abrasive may be used. Light rubbing with medium steel wool dipped in mild cleaner solution is permissible where stains or soil are particularly stubborn.

Terrazzo — Terrazzo should be mopped frequently. Soap cleaners may produce soap film, which makes the surface slippery and dulls the appearance. Terrazzo should be cleaned frequently with a neutral detergent (CAN/CGSB-2.175) and water. It may be necessary to use a mild synthetic detergent (CAN/CGSB-2.107) occasionally. Cleaning products containing substantial proportions of builders (alkaline salt added to enhance cleaning properties) should be avoided as, over a period of time, they will damage the marble chips as well as the grout. Where terrazzo is badly soiled, abrasive powder (CAN/CGSB-2.9, Type B) may be used. Wet a small area, sprinkle the abrasive on liberally, scrub and clean up, taking care to remove all the abrasive. Rinse thoroughly with clear water. Proceed to the next area, and after all the floor has been cleaned in this manner, re-rinse thoroughly and dry. Steel wool should not be used, as particles left on the floor may cause rust stains.

Vinyl — Vinyls are resistant to almost all cleaning agents. Strong alkaline solutions should not be used, however, as they are likely to attack the adhesive that attaches the tile or covering to the subfloor. For the same reason, flooding with water or wash solutions should be avoided.

Marble — Mild alkaline cleaners in water may be used on marble. For routine cleaning, mild synthetic detergent (CAN/CGSB-2.107) should be used. Regular soaps are not recommended. Clear water mopping often serves if soiling is not extensive or in areas where the floor has limited use. Mild abrasive cleaner (CAN/CGSB-2.9, Type B) may be used to remove heavy soil. Rinse thoroughly with clean water and dry to avoid streaking. Do not use steel wool on marble as small particles left on the floor may cause rust stains.

Oxychloride or Magnesite — This type of flooring may be cleaned in the same manner as terrazzo. The same precautions apply.

Concrete (Unpainted) — Unpainted concrete floors in corridors, storage rooms, etc., may be cleaned by scrubbing with a stiff brush, using a cleaning solution of synthetic detergent (CAN/CGSB-2.107). Heavy soil may be removed with a

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steel-wire brush or steel wool in conjunction with the cleaner. Hot water enhances cleaner action. Floors should be thoroughly rinsed and mopped dry after the cleaning operation.

Concrete (Painted) — Paint used on concrete floors is usually alkali-resistant. Mild synthetic detergent (CAN/CGSB-2.107), and heavy-duty cleaner (CAN/CGSB-2.141) may be used safely. Petroleum- or organic-type solvent cleaners must not be used because they may dissolve the paint vehicle.

WALLS AND WOODWORK

Painted Surfaces — Most painted surfaces may be cleaned with a synthetic detergent (CAN/CGSB-2.107). If there is greasy soil to be removed, a mildly alkaline cleaner (CAN/CGSB-2.141) may be used occasionally, but it may dull glossy surfaces if used frequently. Avoid excessive scrubbing if possible.

Wall Coverings — These include ceramic tile (glazed and unglazed) vinyl, linoleum, etc., and may be treated as described for floors. The same precautions apply, and in addition, abrasives and steel wool should be avoided as the smoothness of the surface is of prime importance for both functional and aesthetic reasons.

Glass and Decorated Surfaces — Glass, marble, mosaic and melamine are included in walls or other features of public buildings. Abrasive should not be used; or if it is used, it should be used only with extreme caution. The surface of these materials may be easily scratched, thus spoiling their appearance and making the surface most susceptible to future soiling. Glass cleaner (CAN/CGSB-2.55) is recommended.

Unpainted Wood — Copious volumes of wash solution should be avoided. In many cases the surface may be cleaned with a sponge or chamois that has been wetted in a cleaning solution of water and synthetic detergent (CAN/CGSB-2.107) and wrung out before wiping the soiled surface. This should be followed by a rinse of the surface using the sponge or chamois wrung out in clean water. It is emphasized that each type of unpainted wood surface should be considered as a special case, and general recommendations cannot be made. Good technical advice should be sought in each case. Caution: Unsealed, decorative wood panelling and furniture, both solid wood and veneer, should not be subjected to water or damp sponging. Such surfaces shall be wiped with a soft pad or sponge moistened with a furniture oil. The furniture oil shall be applied across the wood grain and rubbed dry along the grain. This method both cleans and restores the original appearance of the decorative wood surface.

OTHER CLEANERS AND BUILDERS

The following alkaline chemicals can be used alone as cleaners and/or as builders to improve the cleaning efficiency of soaps and detergents:

Tetrasodium pyrophosphate

Sodium tripolyphosphate (CAN/CGSB-15.40)

Trisodium phosphate

Soda modified

Sodium metasilicate

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PART 2

SUMMARY OF USES AND
PROPERTIES OF PRODUCTS DEFINED
IN THE CAN/CGSB-2 SERIES OF STANDARDS*

Withdrawn/Retirée

* *It is recommended that CAN/CGSB-86.1, Care Labelling of Textiles, be referred to for the laundering of textiles.*

USE	STANDARD NUMBER	TITLE	PRODUCT DESCRIPTION	COMMENTS
A. LAUNDERING				
a. By hand	CAN/CGSB-2.2	Bar Soap for General Cleaning	Unbuilt soap in bar form.	For general purpose use in soft water: hand laundering, floor scrubbing.
	CAN/CGSB-2.19	Hand Dishwashing Compound	Liquid mixture of surface-active agents and solubilizers.	Hand dishwashing in hard and soft water. Should be satisfactory for laundering delicate fabrics, vehicle washing, and cleaning of metal surfaces and walls. Not recommended for use in mechanical dishwashers.
	CAN/CGSB-2.115*	Built Powder Laundry Detergent	Synthetic detergent with builders in powder or granular form.	Laundering in all types of water. Not recommended for use in mechanical dishwashers.
	CAN/CGSB-2.175	Concentrated Nonionic Unbuilt Liquid Detergent	Liquid, concentrated nonionic synthetic detergent.	Light-duty cleaning such as laundering of woolens and synthetics, and routine maintenance of floors and painted surfaces. May be used with builders for cottons or cleaning heavily soiled surfaces.

* *Can be used in hard water areas above* 120 mg/L $CaCO_3$.

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USE		STANDARD NUMBER	TITLE	PRODUCT DESCRIPTION	COMMENTS
A.	**LAUNDERING** (continued)				
b.	Mechanical (Institutional, commercial and domestic machines)				
1.	Wool, rayon and synthetics	CAN/CGSB-2.115*	Built Powder Laundry Detergent	Refer to section A. a. — Laundering by hand.	Refer to section A. a. — Laundering by hand.
	Low temperature (40-45°C)	CAN/CGSB-2.175	Concentrated Nonionic Unbuilt Liquid Detergent	Refer to section A. a. — Laundering by hand.	Refer to section A. a. — Laundering by hand.
2.	Cotton and linen	CAN/CGSB-2.3	Unbuilt Laundry Soap	Chip, powder or granular unbuilt soap.	Commercial and institutional laundering in soft water. May be used with water of greater hardness if sequestering agent such as a polyphosphate is used.
	High temperature (65-70°C)	CAN/CGSB-2.33	Built Laundry Soap	Powder built soap.	Commercial and institutional laundering in water up to 120 mg/L $CaCO_3$. May be used in harder water if a builder is added.
		CAN/CGSB-2.115*	Built Powder Laundry Detergent	Refer to section A. a. — Laundering by hand.	Refer to section A. a. — Laundering by hand.
		CAN/CGSB-2.175	Concentrated Nonionic Unbuilt Liquid Detergent	Refer to section A. a. — Laundering by hand.	Refer to section A. a. — Laundering by hand.

** Can be used in hard water areas above 120 mg/L $CaCO_3$.*

Withdrawn/Retiree

USE	STANDARD NUMBER	TITLE	PRODUCT DESCRIPTION	COMMENTS
B. DISHWASHING				
a. By hand	CAN/CGSB-2.19*	Hand Dishwashing Compound	Liquid mixture of surface-active agents and solubilizers.	Hand dishwashing in hard and soft water. Should be satisfactory for laundering delicate fabrics, vehicle washing, and cleaning of metal surfaces and walls. Not recommended for use in mechanical dishwashers.
b. Mechanical*	CAN/CGSB-2.20*	Machine Dishwashing Compound	Type 1: Powder or granular mixture of inorganic alkaline salts and nonchlorinated bearing compounds.	For use in mechanical dishwashing equipment in soft or hard water. The material is suitable for cleaning plasticware, china, glassware and cutlery.
			Type 2: Powder or granular mixture of inorganic alkaline salts and chlorinated compounds.	For use in mechanical dishwashing equipment in soft or hard water. The material is suitable for cleaning plasticware, china, glassware and cutlery. Not recommended for use on silver or silver-plate.
	CAN/CGSB-2.22*	Concentrated Dishwashing Rinse Additive	Liquid wetting agent. May contain defoamer and/or acid.	Prevention of water-spotting and filming in mechanical dishwashers with suitable rinse injector device. Effective in water of any hardness.

* *Can be used in hard water areas above* 120 mg/L $CaCO_3$.

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USE	STANDARD NUMBER	TITLE	PRODUCT DESCRIPTION	COMMENTS
C. PERSONAL CARE				
a. Liquid cleaning lotion	CAN/CGSB-2.1	Skin Cleaning Lotion	Type 1: Liquid soap. Effective in water of moderate hardness. Type 2*: Liquid detergent lotion. Effective in soft or hard water Type 3*: Liquid blend of soap and detergent. Effective in soft or hard water.	These products (Type 1, 2 and 3) are suitable for removing light to medium soiling from the skin. Intended for use in dispensers for domestic or institutional use in washrooms, bathrooms and showers.
b. Bar soap	CAN/CGSB-2.5	Toilet Soap	Type 1: High grade stabilized milled or cast sodium soap, in bar or cake form. Type 2: Good quality stabilized sodium or sodium and potassium soap, in bar or cake form.	Intended for personal bathing. Most effective in soft water. Intended for personal bathing and general cleaning. Most effective in soft water.
c. Hand cleaning	CAN/CGSB-2.16	Waterless Hand Cleaner	Type 1: Cream, gel or thick lotion of petroleum distillate solvents, water, emulsifiers and humectant. Type 1, Class B product contains mild abrasives. Type 1, Class A product does not contain abrasives. Type 2: Cream, gel or thick lotion free of petroleum distillate solvents, which may contain water, emulsifiers and humectant. Type 2, Class B product contains mild abrasives. Type 2, Class A product does not contain abrasives.	Intended for removing heavy soil from the hands without water. Type 1, Class B is suitable for removing paint residues and similar soils. Intended for removing heavy soil from the hands without water.

* *Can be used in hard water areas above* 120 mg/L $CaCO_3$.

Withdrawn/Retirée

USE	STANDARD NUMBER	TITLE	PRODUCT DESCRIPTION	COMMENTS
D. FLOORS AND PAINTED SURFACES				
a. Light-duty	CAN/CGSB-2.107*	General Purpose Built Liquid Detergent	Synthetic detergent with builders and sequestering agents	Removing occupational soil from floors, walls and painted surfaces, using soft, hard or sea water.
	CAN/CGSB-2.175	Concentrated Nonionic, Unbuilt Liquid Detergent	Refer to section A. a. — Laundering by hand.	Refer to section A. a. — Laundering by hand.
b. Normal-duty	CAN/CGSB-2.2	Bar Soap for General Cleaning	Refer to section A. a. — Laundering by hand.	Refer to section A. a. — Laundering by hand.
	CAN/CGSB-2.4	Paste Soap for General Cleaning	Potassium soap in paste form	General cleaning of floors and painted surfaces with soft water. Not for personal use.
	CAN/CGSB-2.107*	General Purpose Built Liquid Detergent	Refer to section D. a. — Light-duty cleaning of floors and painted surfaces.	Refer to section D. a. — Light-duty cleaning of floors and painted surfaces.
c. Heavy-duty	CAN/CGSB-2.141*	General Purpose Powder Cleaning Compound	Powder mixture of inorganic alkaline salts and surfactants.	Heavy-duty household or institutional cleaner for removing occupational soil from floors, painted surfaces and woodwork with water of any hardness.
d. Germicidal	CAN/CGSB-2.160	General Purpose Germicidal Liquid Detergent	Liquid synthetic detergent containing phenolic, quaternary ammonium compound, or other germicidal agent.	General cleaning and disinfection of floors, walls and other hard surfaces. Effective up to 200 mg/L $CaCO_3$ hardness. Use higher concentration of detergent in hard water.

* *Can be used in hard water areas above* 120 mg/L *$CaCO_3$.*

Withdrawn/Retiree

USE	STANDARD NUMBER	TITLE	PRODUCT DESCRIPTION	COMMENTS
E. SPECIALIZED REQUIREMENTS				
a. Wax stripping	CAN/CGSB-2.60*	Remover for Water Emulsion Floor Polish and Wax	Liquid detergent compound. Does not contain ammonia	Removing water emulsion wax and floor polish films from floors. Effective in soft and hard water.
	CAN/CGSB-2.112*	Remover for Water Emulsion Type Floor Wax	Liquid detergent compound containing 2% ammonia.	Removing water emulsion wax from floors. Effective in soft and hard water.
b. Scouring	CAN/CGSB-2.9*	Scouring Powder	Finely divided abrasive powder plus surface active agent, builder and bleaching powder.	
			Type B — Mild abrasive of feldspar or calcium carbonate.	Type B intended for enamel surfaces, toilet bowls and urinals, kitchen utensils and equipment. Suitable for cautious use on marble, glass, ceramic and terrazzo.
			Type C — Heavy-duty siliceous abrasive.	Type C to be used on metallic or enamelled kitchen utensils.
c. Stain removal	CAN/CGSB-2.42*	Stain Remover for Tableware	Powder or granular product containing stabilized oxygen-releasing compound.	Removing tea, coffee, and adsorbed food stains from plastic and other tableware. Mixed with soft water or hard water to produce dip-type cleaner.

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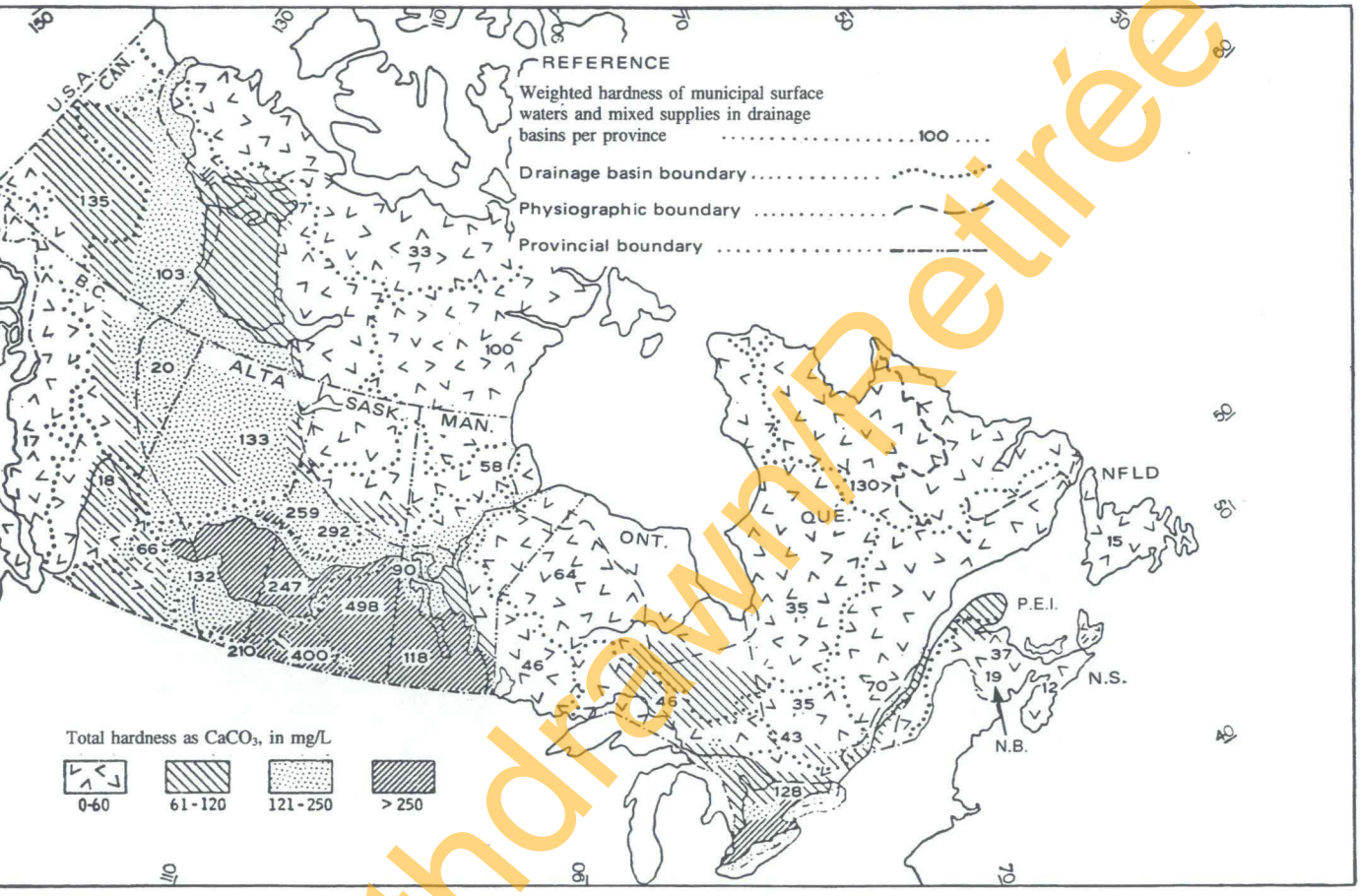
Withdrawn/Retiree

USE	STANDARD NUMBER	TITLE	PRODUCT DESCRIPTION	COMMENTS
E. SPECIALIZED REQUIREMENTS (continued)				
d. Scale removal	CAN/CGSB-2.43*	Scale-Removing Compound for Lime Deposits	Crystal or granular form sulphamic acid.	Descaling of dishwashing machines, steam tables, coffee urns, salt water evaporators, fresh water cooling and distribution systems, and heat transfer units. Acid. Use caution.
e. Toilet bowl cleaning	CAN/CGSB-2.46*	Toilet Bowl and Urinal Cleaning Compound	Compound containing acid with surface active agent and rust inhibitor. Type 1 — Hydrochloric acid-based Type 2 — Phosphoric acid-based	 Heavy-duty compound for cleaning stains from toilet bowls and urinals only. Not to be used with any other chemical product. See above.
	CAN/CGSB-2.47*	Toilet Bowl Cleaning Compound	Crystal or granular sodium bisulphate with surface active agent and a 20% effective acidity as sulphuric acid.	For cleaning stains from toilet bowls and urinals only. Strong acid. Not to be used with any other chemical compound.
f. Drain cleaning	CAN/CGSB-2.49*	Alkali Drain Cleaner	Granular mixture of sodium hydroxide, sodium nitrate and aluminum chips.	For cleaning or clearing partially clogged drains. Strong alkali.
g. Glass cleaning	CAN/CGSB-2.55*	Glass Cleaner	Liquid cleaner of alcohol and detergent.	For cleaning glass surfaces, laminated plastic desk tops, counter tops and other panelling. Not for use on transparent plastic.
h. Fabric spot	CAN/CGSB-2.180	Carpet and Upholstery Shampoo	Liquid foaming shampoo for carpets and upholstery fabrics	For spot cleaning of colourfast carpets and upholstery fabrics.

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Withdrawn/Retirée

Map Showing the Hardness of Canadian Surface Waters



Withdrawn/Retirée

The above map is taken from the article "Surface Water Quality in Major Drainage Basins of Northern Areas of Canada," written by J.F.J. Thomas and published by the "Journal of American Water Works Association."

Withdrawn/Retirée