2-GP-35
3 October 1958
AMENDMENT NO. 1
26 February 1960

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

SOAP; LIQUID, GERMICIDAL

5.12 Cleaning Efficiency - Delete

Withdrawn/Retirée

2-GP-35
3 October 1958
AMENDMENT NO. 2
15 January 1963
Supersedes Amendment No. 1

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

SOAP; LIQUID, GERMICIDAL

*5.10 Inorganic Chlorides - Replace this requirement with the following:

		Min	Max	Test Method
5.10	Inorganic chlorides, % by wt	-	0.2	11.1

5.12 Cleaning Efficiency - Delete this requirement.

Withdrawn/Retirée

* Change from previous amendment.

CANADA

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

SPECIFICATION

FOR

SOAP; LIQUID, GERMICIDAL

2-GP-35

3 OCTOBER 1958

Withdrawn/Retirée

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THIS SPECIFICATION APPLIES TO A THOROUGHLY-SAPONIFIED POTASSIUM SOAP IN LIQUID FORM, PREPARED FROM COCONUT OIL OR COCONUT OIL FATTY ACIDS, CHLORINATED PHENOL GERMICIDE, AND A SEQUESTERING AGENT SUCH AS A SALT OF ETHYLENE DIAMINE TETRA-ACETIC ACID (EDTA).

NATIONAL RESEARCH COUNCIL, OTTAWA, CANADA

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Withdrawn/Retirée

2-GP-35
3 October 1958

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

SOAP; LIQUID, GERMICIDAL

Withdrawn/Retirée

1. DEFINITION

1.1 This specification applies to a thoroughly-saponified potassium soap in liquid form, prepared from coconut oil or coconut oil fatty acids, chlorinated phenol germicide, and a sequestering agent such as a salt of ethylene diamine tetra-acetic acid (EDTA).

1.2 For more detailed information on uses, see Section 8.1.

2. APPLICABLE PUBLICATION

2.1 The following publication is applicable to this specification:

2.1.1 CGSB Schedule 2-GP-11: Methods of Testing and Analysis of Soaps and Detergents.

2.2 Reference to the above publication is to the issue in effect on the date of invitation to tender, unless otherwise specified.

3. GENERAL REQUIREMENTS

3.1 The soap shall be a clear homogeneous solution at room temperature (68°F).

3.2 The soap shall be suitable for use in general cleaning of floors, woodwork, etc., and shall not leave a visible residue when used as directed.

3.3 The soap shall readily form a satisfactory lather in cold hard water.

3.4 The soap shall not contain visible foreign matter, and shall be free from objectionable odor (i.e. rancidity or odor of decomposition) as received and in solution in hot water. It shall not be perfumed.

3.5 The soap shall have no injurious effect on the skin.

3.6 Unless otherwise specified the soap shall be red in color. The vendor shall be free to choose the dye used provided it has no deleterious effect and will not precipitate or fade on storage.

4. BASIS OF ANALYSIS

4.1 In the determination of anhydrous soap, as specified in the detail requirements below, the result shall be expressed on the basis of the sample as received. The results of all other determinations shall be expressed on the basis of 15 per cent anhydrous soap content.

5. DETAIL REQUIREMENTS

The soap shall comply with the following detail requirements:

	Min	Max	2-GP-11 Test Method
5.1 Anhydrous soap, per cent by weight	15.0	-	3.1
5.2 Alcohol Insoluble, per cent by weight	-	5.0	9.1
5.3 Ortho benzyl parachlorophenol, per cent by weight			
or	3.0	-	40.1
2, 2' dihydroxy 5,5' dichloro diphenyl-methane, per cent by weight			
5.4 Ethylene diamine tetra-acetic acid, per cent by weight	1.5	-	41.1
5.5 Phenol coefficient against S. Aureus	3.0	-	42.1
5.6 Iodine number of Fatty Acids	-	10.0	-
5.7 Acid number of Fatty Acids	250	-	3.1
5.8 pH (at 14:1 dilution)	-	10.5	18.3
5.9 Free Fatty Acid (as oleic), per cent by weight	-	Nil	6.1
5.10 Inorganic Chlorides	-	Nil	11.3

5.11 Stability to Hard Water- When 1 part by volume of the soap is added to 3 parts by volume of standard hard water (250 ppm as $CaCO_3$)*, the resultant mixture shall be clear after standing for 24 hours.

Method self explanatory

5.12 Cleaning Efficiency - A solution composed of 1 volume of the soap as received and 5 volumes of water shall completely remove the soil from test panels in 50 cycles when tested in accordance with the prescribed procedure. The cleaner shall be free-rinsing as evidenced by the absence of visible residue on the scrubbed surface.

Method 20.2

* Prepared by adding 0.294 grams of calcium acetate ($Ca(CH_3COO)_2H_2O$) and 0.205 grams of magnesium sulfate ($MgSO_4.7H_2O$) to sufficient distilled water to make one litre.

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5.13 Stability at Low Temperature - After being held at 10°C (50°F) for 24 hours and then allowed to stand for 24 hours upon returning to room temperature, the soap shall show no cloudiness or evidence of precipitated solids.

Method self explanatory

6. PREPARATION FOR DELIVERY

6.1 Packaging, Packing and Marking - Unless otherwise specified, commercial packaging, packing and marking shall be acceptable.

6.2 Labelling - A suitable label with the undernoted information shall be attached to each container. The arrangement and wording of the information shall be at the supplier's discretion.

6.2.1 Complete directions for use shall be given. It shall be indicated that for removal of heavy soil a solution of 1 part of soap solution to 20 parts of water shall be used. For moderate to light soil, a solution of 1 part soap solution to 40 parts of water may be used. For a final disinfectant rinse after soil removal, the proportions may be 1 part soap solution to 60 parts of water.

6.2.2 The supplier shall declare on the label the name and minimum proportion of germicide used in the cleaner.

6.2.3 Label information shall indicate that the material must not be allowed to freeze at any time.

7. INSPECTION

7.1 Sampling - Sampling shall be in accordance with Section 1.3 of CGSB Schedule 2-GP-11: Methods of Testing and Analysis of Soaps and Detergents.

7.2 Testing - The methods of test shall be those in CGSB Schedule 2-GP-11, using the method specified with each requirement. Preparation of samples in the laboratory shall be in accordance with Section 2.3 of the Schedule.

8. NOTES

8.1 Intended Uses - Germicidal liquid soap to this specification is intended for use in institutions for general cleaning of floors, walls and woodwork where the destruction of bacteria is important. In use dilution it will kill pathogenic staphylocci on floors and other surfaces in 10 minutes. The cleaner will work satisfactorily, when diluted as directed, with water of hardness up to 500 ppm. In localities where water hardness exceeds this value, a product containing synthetic detergent rather than soap should be used (i. e., 2-GP-160). In storage, the usual precautions against freezing should be taken. When it is cooled to temperatures lower than 50°F, the germicide tends to crystallize out. The effectiveness of the product is not adversely affected provided it is warmed to room temperature and well shaken or agitated to redissolve any germicide which may have precipitated out.

8.2 The publication listed in Section 2 may be obtained on application to the CGSB Secretary.

Correspondence regarding this specification should be addressed to the Secretary, Canadian Government Specifications Board, National Research Council, Ottawa, 2, Canada.

Withdrawn/Retirée