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2-GP-113
CANCELLATION
24 April 1959

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

SYNTHETIC DETERGENT; PASTE OR LIQUID,
FOR LOW TEMPERATURE LAUNDERING

CGSB Specification 2-GP-113 dated 4 November 1954 is cancelled as of
24 April 1959.

2-GP-113
4 November 1954
AMENDMENT NO. 1
8 September 1955

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SYNTHETIC DETERGENT; PASTE OR LIQUID, FOR
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2. GENERAL REQUIREMENTS

Section 2.7: Change to read "The liquid type detergent shall not contain any non-aqueous solvent other than such quantity of suitably denatured ethanol as may be necessary to maintain solution clarity."



CANADIAN GOVERNMENT SPECIFICATIONS BOARD

SPECIFICATION

FOR

SYNTHETIC DETERGENT; PASTE OR LIQUID,
FOR LOW TEMPERATURE LAUNDERING

2-GP-113

4 NOVEMBER 1954

THIS SPECIFICATION APPLIES TO A SYNTHETIC DETERGENT OF EITHER ANIONIC
OR NONIONIC TYPE, OR BOTH, IN PASTE OR LIQUID FORM

NATIONAL RESEARCH COUNCIL, OTTAWA, CANADA

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4 November 1954

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
forSYNTHETIC DETERGENT; PASTE OR LIQUID, FOR
LOW TEMPERATURE LAUNDERING1. DEFINITION

1.1 This specification applies to a synthetic detergent of either anionic or nonionic type, or both, in paste or liquid form.

2. GENERAL REQUIREMENTS

2.1 The detergent shall be suitable for use in commercial or institutional laundering processes in soft, hard or sea water.

2.2 It shall be a homogeneous paste or liquid as required by the purchaser. It shall be of a light, uniform color and free from visible foreign matter.

2.3 It shall not contain added soap and/or cationic compounds.

2.4 It shall have no injurious effect on the skin.

2.5 It shall be free from objectionable odor as received and in solution in hot water and shall not develop such odor in storage within 12 months of delivery.

2.6 When held under normal conditions of storage in a suitable unopened container for a period of one year, the material shall remain stable and homogeneous.

2.7 It shall not contain any non-aqueous solvents.

3. BASIS OF ANALYSIS

3.1 In the analysis of the material the results obtained shall be expressed on the basis of the sample as received.

4. DETAIL REQUIREMENTS4.1 Physical and Chemical Requirements

	<u>Min.</u>	<u>Max.</u>	<u>Test Method</u>
4.1.1 Alcohol Insoluble	-	5.0	9.2
4.1.2 Anhydrous salt-free anionic and/or nonionic synthetic detergent, per cent	25.0	-	17.1
4.1.3 Soap	-	N11	29.1
4.1.4 Cationics	-	N11	30.1
4.1.5 Water Insoluble, per cent	-	N11	10.3
4.1.6 pH (1 per cent aq. soln.)	6.0	9.0	18.1
4.1.7 Stability to Hard Water, ml. of curd	-	0.5	19.1
4.1.8 Stability to Sea Water, ml. of curd	-	0.5	19.2

4.1.9 Cleaning Efficiency - The reflectance of the standard soiled cloth after washing with a 0.2 per cent aqueous solution of the detergent in accordance with the prescribed procedure shall be not less than 50.

Method 20.1

4.1.10 Rinsing Properties - The cleaner shall be free-rinsing when tested in accordance with the prescribed procedure.

Method 31.1

4.1.11 Effect of Change of Temperature - When cooled to 0°C. (32°F.) or warmed to 32°C. (90°F.) for 24 hours, the product shall remain homogeneous. A separate sample shall be used for each condition.

4.2 Other Determinations - At the discretion of the testing authority, other analysis may be made to determine whether the material complies with the requirements of this specification.

5. SAMPLING AND TEST METHODS

5.1 Sampling shall be carried out in accordance with Section 1.3 of CGSB Schedule No. 2-GP-11: Methods of Testing and Analysis of Soaps and Detergents.

5.2 Preparation of the samples in the laboratory shall be in accordance with Section 2.3 of Schedule No. 2-GP-11 and the methods of testing shall be those described in the same Schedule using the method specified with each requirement.

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