

1-GP-3c
11 August 1961
CANCELLATION
5 October 1968

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

TURPENTINE

CGSB Specification 1-GP-3c, dated 11 August 1961, is cancelled as of 5 October 1968, since 1-GP-4 Thinner: Petroleum Spirits, is considered to be more suitable for thinning purposes.

1-GP-3c
11 August 1961
AMENDMENT NO. 1
29 September 1961

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

TURPENTINE

5. Detail Requirements

5.1 Specific Gravity at 68°F (20°C)

Change maximum to read 0.872

1-GP-3c
11 August 1961
AMENDMENT NO. 2*
30 August 1963

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

TURPENTINE

5. DETAIL REQUIREMENTS

5.1 Specific Gravity

Change this requirement to read as follows:

	<u>Min</u>	<u>Max</u>
Specific Gravity at 77°/77°F (25°/25°C)	0.852	0.868

* Supersedes Amendment No. 1 issued 29 September 1961

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

TURPENTINE

4. GENERAL REQUIREMENTS

- * 4.2 Qualification - Change this paragraph to read as follows:

4.2.1 Procurement by the Department of National Defence - The turpentine shall be a product qualified by the specified procedure and such qualification shall be a prerequisite for tendering (see 8.3).

4.2.2 Procurement by Other Government Agencies - When specified by the purchaser, the turpentine shall be a product qualified by the specified procedure and such qualification shall be a prerequisite for tendering (see 8.3).

5. DETAIL REQUIREMENTS

- 5.1 Specific Gravity

Change this requirement to read as follows:

	<u>Min</u>	<u>Max</u>
Specific Gravity at 77°/77°F (25°/25°C)	0.852	0.868

8. NOTES

- * 8.2 Ordering Data - Change this paragraph to read as follows:

The purchaser should specify packaging, packing and marking, if commercial practice is not suitable. Agencies other than the Department of National Defence should also specify if qualification is required.

* Change from previous amendment.

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for
TURPENTINE

4. GENERAL REQUIREMENTS

- * 4.2 Qualification - Delete this paragraph.

5. DETAIL REQUIREMENTS

5.1 Specific Gravity

Change this requirement to read:

	<u>Min</u>	<u>Max</u>
Specific Gravity at 77°/77°F (25°/25°C)	0,852	0,868

- * 5.2 Refractive Index - Change the method of test from D555 to D233.
* 5.3 Distillation Range - Insert as the test method ASTM D233.

8. NOTES

- * 8.2 Ordering Data - Change this paragraph to read:

The purchaser should specify packaging, packing and marking details if commercial practice is not suitable; also if a qualified product is required.

- * 8.3 Qualification Procedure - Change to read:

8.3 Qualification

- 8.3.1 Qualification Procedure - Details regarding the procedure for qualification of 1-GP-3 Turpentine may be obtained from:

Chief, Testing Laboratories,
Department of Public Works,
Ottawa, Canada.

- 8.3.2 Qualified Products - Federal Government departments and agencies may also obtain information regarding availability of qualified products from the above address.

- * Change from previous amendment.

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SPECIFICATION

FOR

TURPENTINE

1 - GP - 3c

11 AUGUST 1961

SUPERSEDES 1 - GP - 3B

5 DECEMBER 1958

THIS SPECIFICATION APPLIES TO GUM SPIRITS OF TURPENTINE, STEAM -
DISTILLED WOOD TURPENTINE AND SULFATE WOOD TURPENTINE.

NATIONAL RESEARCH COUNCIL, OTTAWA, CANADA

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CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

TURPENTINE

1. DEFINITION

1.1 This specification applies to gum spirits of turpentine, steam-distilled wood turpentine and sulfate wood turpentine.

2. APPLICABLE PUBLICATIONS

The following publications are applicable to this specification:

2.1 CGSB 1-GP-71, Methods of Testing Paints and Pigments.

2.2 ASTM Standards on Paint, Varnish, Lacquer and Related Products (and latest supplement).

2.3 Reference to the above publications and other specifications is to the issues in effect on the date of invitation to tender, unless otherwise specified.

3. CLASSIFICATION

3.1 Turpentine to this specification shall be supplied in the following three types as specified by the purchaser:

Type I - gum spirits of turpentine

Type II - steam-distilled wood turpentine

Type III - sulfate wood turpentine.

3.2 The chief difference among these three types lies in their odor. The supplier may therefore be required to submit a sample for odor acceptance.

4. GENERAL REQUIREMENTS

4.1 Turpentine complying with this specification shall be clear, and free from water (either present in suspension, as indicated by turbidity, or separated at the bottom of the container), sediment and suspended matter.

4.2 Qualification - When requested by the purchaser, the turpentine shall be a product qualified by the specified procedure and such qualification shall be a prerequisite for tendering (see 8.3).

5. DETAIL REQUIREMENTS

Turpentine to this specification shall comply with the following detail requirements:

				Test Method	
		Min	Max	1-GP-71	ASTM
5.1	Specific Gravity at 68°F (20°C)	0.857	1.872	2.2	-
5.2	Refractive Index	1.463	1.476	-	D555
5.3	Distillation Range				
5.3.1	Initial Boiling Point, °F	302	320	-	
	°C	150	160		
5.3.2	% Distilled at 338°F (170°C)	90	-		
5.4	Polymerization Residue, % by vol	-	2		D233
5.5	<u>Color</u> - The color of the turpentine shall be not darker than + 15 Saybolt Chromometer.				
	Method ASTM D156				

6. PREPARATION FOR DELIVERY

6.1 Unless otherwise specified, commercial packaging, packing and marking shall be acceptable.

6.2 Labelling - In addition to the labelling requirements of any relevant Acts or Regulations, each container shall be suitably labelled to show the following information:

Manufacturer's Name and Address
 Name of Material
 CGSB Specification No.
 Qualification No. (when required)
 Manufacturer's Batch No.
 Manufacturer's Code No.
 Date of Manufacture

7. INSPECTION

7.1 Sampling - Sampling shall be carried out in accordance with Method 1.1 of 1-GP-71.

7.2 Testing - Unless otherwise specified, methods of test shall be those in 1-GP-71 or in ASTM Standards on Paint, Varnish, Lacquer and Related Products, using the method specified with each requirement.

7.3 Classification of Tests - Tests for determining compliance with this specification shall be classified as follows:

7.3.1 Qualification Tests - Those tests that are performed on samples submitted for qualification as a satisfactory product. They shall consist of all the tests necessary to establish compliance with the requirements of this specification.

7.3.2 Lot Acceptance Tests - Those tests that are used to determine the acceptability of a lot or batch of a qualified product. The testing authority may test the material for compliance with any of the requirements of this specification and may reject a lot or batch on the basis of any requirement in the specification.

8. NOTES

8.1 Intended Uses - This turpentine may be used to clean out brushes and spraying equipment where it is the specified reducer for the materials being supplied.

8.1.1 Generally, 1-GP-4 is the preferred thinner.

8.2 Ordering Data - Purchasers should specify the type of turpentine required; packaging, packing and marking if commercial practice is not suitable; and if qualification is required.

8.3 Qualification Procedure - Details regarding procedure for qualification of 1-GP-3 turpentine may be obtained from:

Chief, Testing Laboratories
Department of Public Works
OTTAWA, Ontario.

8.4 Related CGSB Specification

1-GP-4 Thinner; Petroleum Spirits.

8.5 Other Related Specifications

U.S. Federal TT-T-801, Turpentine; Gum Spirits, Steam Distilled, Sulfate Wood, and Destructively Distilled.

8.6 The publication referred to in 2.1 is obtainable from the CGSB, Secretary.

8.7 The publication referred to in 2.2 is obtainable from the American Society for Testing Materials, 1916 Race Street, Philadelphia 3, Pa., U.S.A.