

NOT MEASUREMENT  
SENSITIVE

MIL-T-81772B(AS)  
AMENDMENT 1  
25 OCTOBER 1991

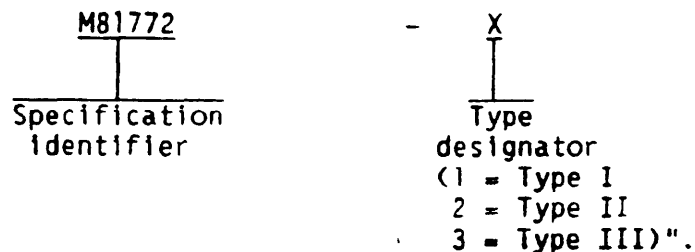
MILITARY SPECIFICATION  
THINNER, AIRCRAFT COATING

This amendment forms a part of MIL-T-81772B(AS), dated 29 JANUARY 1986, and is approved for use by the Naval Air Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

Page 1

ADD the following new paragraph:

"1.3 Part numbers. Part numbers, for cataloging purposes of this material, shall be coded as follows:



2.1.1: DELETE paragraph, in its entirety, and SUBSTITUTE:

"2.1.1 Specifications and standards. The following specifications and standards form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS), and supplement thereto, cited in the solicitation (see 6.2)."

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commanding Officer, Naval Air Engineering Center, Systems Engineering and Standardization Department (Code 53), Lakehurst, NJ 08733-5100, by using the Standardization Document Improvement Proposal (DD Form 1426), appearing at the end of this document, or by letter.

AMSC N/A

FSC 8010

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Page 2

2.1.1, document title of FED-STD-313, DELETE "Material Safety Data Sheets; Preparation and Submission of" and SUBSTITUTE "Material Safety Data, Transportation Data and Disposal Data for Hazardous Materials Furnished to Government Activities".

2.1.2: Under Code of Federal Regulations, ADD:

"29 CFR 1910.1200 Occupational Safety and Health Standards-Hazard Communications".

2.2: DELETE first two sentences of paragraph and SUBSTITUTE:

"2.2 Non-Government publications. The following documents form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of the documents which are DoD adopted are those listed in the issue of the DODISS cited in the solicitation. Unless otherwise specified, the issues of the documents not listed in the DODISS are the issues of the documents cited in the solicitation (see 6.2)."

2.2: Under American Society for Materials and Testing (ASTM), DELETE "ASTM D 56, 'Test for Flash Point by Tag Closed Tester,'" and SUBSTITUTE "ASTM D 3278 'Test for Flash Point of Liquids by Setaflash Closed-Cup Apparatus'".

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3.5: DELETE paragraph, in its entirety, and SUBSTITUTE:

"3.5 Material safety data sheets. Material safety data sheets (MSDS) shall be prepared and submitted in accordance with FED-STD-313 and shall be in accordance with the requirements of 29 CFR 1910.1200. When FED-STD-313 is at variance with the CFR, 29 CFR 1910.1200 shall take precedence, modify, and supplement FED-STD-313."

ADD as new paragraph 4.1.1:

"4.1.1 Responsibility for compliance. All items must meet all requirements of sections 3 and 5. The inspections set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling inspection, as part of the manufacturing operation, is an acceptable practice to ascertain conformance to requirements; however, this does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to accept defective material."

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6.2.1: DELETE paragraph, in its entirety, and SUBSTITUTE:

" 6.2.1 Acquisition requirements. Acquisition documents should specify the following:

- a. Title, number, and date of this specification.
- b. Issue of DODISS to be cited in the solicitation and, if required, the specific issue of individual documents referenced (see 2.1 and 2.2).
- c. Type of thinner desired (see 1.2).
- d. Quantity desired.
- e. Degree of preservation and packing required (see 5.1 and 5.2).
- f. Any special marking (see 5.3).
- g. Specify if palletization is required (see 5.4).
- h. Specify FAR Clauses 52.223-3."

6.3, DELETE paragraph, in its entirety, and SUBSTITUTE:

"6.3 Basis of purchase. The thinner covered by this specification should be purchased by volume. The unit of purchase being one (1) U.S. gallon (231 cubic inches at 20°C (68°F)). The volume of delivery may be determined by dividing the net weight (in pounds) by the density (weight per gallon). To obtain the weight per gallon, multiply the specific gravity, at 20°C, by 8.322. One gallon of thinner at 20°C (68°F) weighs between 7.36 and 7.49 pounds."

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ADD as new paragraph 6.5:

"6.5 Subject term (keyword) listing.

Material Safety Data Sheet (MSDS)  
Methyl ethyl ketone  
Reduction, viscosity, coating".

Page 9

Table I, under "Material", DELETE "Propylene glycol methyl ether acetate", and SUBSTITUTE:

"Propylene glycol methyl ether acetate (ethyl 3-ethoxypropionate, or oxo-hexyl acetate are acceptable substitutes) 1/"

Table I, under "Material", DELETE "Propylene glycol methyl ether", and SUBSTITUTE:

"Propylene glycol methyl ether<sup>2/</sup>"

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Table I, ADD the following footnotes:

1/ Propylene glycol methyl ether acetate is manufactured by ARCO Chemical Company, under the tradename 'ARCOSOLV PM acetate'. Ethyl 3-ethoxypropionate is manufactured by Eastman Chemical Products, under the tradename 'Ektapro EEP'. Oxo-hexyl acetate is manufactured by Exxon Chemical Company, under the tradename 'EXXATE 600'."

2/ Propylene glycol methyl ether is manufactured by ARCO Chemical Company under the trade name 'ARCOSOLV PM'.

Table II, DELETE minimum flash point for Type I, "42°F (6°C)", and SUBSTITUTE "38°F (4°C)".

Table II, DELETE minimum flash point for Type III, "30°F (-1°C)", and SUBSTITUTE 26°F (-3°C)".

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Table III, DELETE the fifth entry, "3.3, 'Flash Point (Tag Closed Cup)', ASTM D56," in its entirety, and SUBSTITUTE: "3.3, Flash Point (Setaflash), ASTM D 3278".

Preparing activity:  
Navy - AS  
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