



AEROSPACE MATERIAL SPECIFICATION	AMS1476™	REV. D
	Issued 1977-07 Reaffirmed 2004-02 Revised 2016-01 Stabilized 2025-05	
	Superseding AMS1476C	
Deodorant, Aircraft Toilet		

RATIONALE

Specifications would cover any type of formulation ingredient changes in the future. It already has test methodology for gel, liquid and solid forms of the product. The current properties would remain the same for the best attributes for the application as an additive for deodorant in aircraft toilet systems in controlling odor, color, and corrosion. Quality assurance provisions are current with the typical industry standard. If any changes should occur, then AMS1476D would need to be re-opened.

STABILIZED NOTICE

AMS1476D has been declared "STABILIZED" by SAE AMS Committee J Aircraft Maintenance Chemicals and Materials and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

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Documents

Standard, visit Sharing Hub

1. SCOPE

1.1 Form

This specification covers a biodegradable deodorant in the form of a liquid concentrate, solid, or gel.

1.2 Application

This deodorant has been used typically as an additive in aircraft toilet systems to control odor, color, and corrosion.

1.3 Safety - Hazardous Materials

While the materials, methods, applications, and processes described or referenced in this specification may involve the use of hazardous materials, this specification does not address the hazards which may be involved in such use. It is the sole responsibility of the user to ensure familiarity with the safe and proper use of any hazardous materials and to take necessary precautionary measures to ensure the health and safety of all personnel involved.

2. APPLICABLE DOCUMENTS

The issue of the following documents in effect on the date of the purchase order forms a part of this specification to the extent specified herein. The supplier may work to a subsequent revision of a document unless a specific document issue is specified. When the referenced document has been cancelled and no superseding document has been specified, the last published issue of that document shall apply.

2.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

AMS4049	Aluminum Alloy Sheet and Plate, Alclad, 5.6Zn - 2.5Mg - 1.6Cu - 0.23Cr, (Alclad 7075; -T6 Sheet, -T651 Plate), Solution and Precipitation Heat Treated
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AMS-P-83310	Plastic Sheet, Polycarbonate, Transparent
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2.2 ASTM Publications

Available from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, Tel: 610-832-9585, www.astm.org.

ASTM D56	Standard Test Method for Flash Point by Tag Closed Cup Tester
ASTM D445	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)
ASTM D471	Standard Test Method for Rubber Property - Effect of Liquids
ASTM D1193	Standard Specification for Reagent Water
ASTM D1331	Standard Test Methods for Surface and Interfacial Tension of Solutions of Surface-Active Agents
ASTM D1568	Standard Test Methods for Sampling and Chemical Analysis of Alkylbenzene Sulfonates
ASTM E70	Standard Test Method for pH of Aqueous Solutions with the Glass Electrode
ASTM F483	Standard Practice for Total Immersion Corrosion Test for Aircraft Maintenance Chemicals
ASTM F484	Standard Test Method for Stress Cracking of Acrylic Plastics in Contact with Liquid or Semi-Liquid Compounds
ASTM F485	Standard Practice for Effects of Cleaners on Unpainted Aircraft Surfaces
ASTM F502	Standard Test Method for Effects of Cleaning and Chemical Maintenance Materials on Painted Aircraft Surfaces
ASTM F1110	Standard Test Method for Sandwich Corrosion Test

2.3 APHA Publications

Available from American Public Health Association, 1015 Eighteenth Street, N.W., Washington, DC 20036.

Standard Methods for the Examination of Water and Waste Water

2.4 ANSI Accredited Publications

ANSI Z400.1/Z129.1-2010	Hazardous Workplace Chemicals - Hazard Evaluation and Safety Data Sheet and Precautionary Labeling Preparation
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3. TECHNICAL REQUIREMENTS

3.1 Material

Shall consist of a biodegradable material with suitable additives, such as deodorants, buffers, etc., necessary to provide a deodorant meeting the requirements of 3.2.

3.1.1 The deodorant shall be free of soaps; non-ionic, cationic, anionic, and amphoteric detergents are acceptable provided the deodorant contains adequate foam depressors to comply with 3.2.2.2.1.

3.1.2 The deodorant shall dilute readily with water with minimum agitation.

3.2 Properties

The deodorant shall conform to the following requirements; tests shall be performed in accordance with specific test methods.