



AEROSPACE MATERIAL SPECIFICATION

AMS1525™**REV. E**

Issued	1977-07
Revised	1992-10
Noncurrent	1995-01
Stabilized	2023-05

Superseding AMS1525D

Cleaner for Aircraft Exterior Metallic Surfaces
Wipe Solvent, Cold Operations

RATIONALE

Transition from noncurrent to stabilized.

STABILIZED NOTICE

AMS1525E has been declared "STABILIZED" by SAE AMS Committee J Aircraft Maintenance Chemicals and Materials Committee 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.

SAE Executive Standards Committee Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2023 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Tel: +1 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
http://www.sae.org

For more information on this standard, visit
<https://www.sae.org/standards/content/AMS1525E/>

1. SCOPE:

1.1 Form:

This specification covers a cleaner in the form of a liquid.

1.2 Application:

This cleaner has been used typically at ambient temperature as a cleaner for exterior metallic surfaces of aircraft, but usage is not limited to such applications. This cleaner shall not be used on plastics or aircraft windows due to crazing properties.

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 following publications form a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order.

2.1 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

AMS 2825 Material Safety Data Sheets

AMS 4049 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

2.2 ASTM Publications:

Available from ASTM, 1916 Race Street, Philadelphia, PA 19103-1187.

ASTM D 56 Flash Point by Tag Closed Tester

ASTM D 891 Specific Gravity of Liquid Industrial Chemicals

ASTM D 1078 Distillation Range of Volatile Organic Liquids

ASTM D 1353 Nonvolatile Matter in Volatile Solvents for Use in Paint, Varnish, Lacquer, and Related Products

ASTM D 1568 Sampling and Chemical Analysis of Alkylbenzene Sulfonates

ASTM F 483 Total Immersion Corrosion Test for Aircraft Maintenance Chemicals

ASTM F 485 Effects of Cleaners on Unpainted Aircraft Surfaces

ASTM F 1105 Preparing Aircraft Cleaning Compounds, Liquid Type, Solvent Based, for Storage Stability Testing

ASTM F 1110 Sandwich Corrosion Test

2.3 U.S. Government Publications:

Available from Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

MIL-STD-2073-1 DOD Materiel, Procedures for Development and Application of Packaging Requirements

3. TECHNICAL REQUIREMENTS:

3.1 Composition:

The cleaner shall be a uniform mixture of the materials in the percentages by volume shown in Table 1.

TABLE 1 - Composition

Ingredient	Percentage
Dichloromethane, Technical Grade	69 ± 1
Methyl Ethyl Ketone	29 ± 1
Ethylene Glycol Monobutyl Ether	2 ± 0.5

3.1.1 Cleaner shall not be deleterious to aircraft structural alloys.