



AEROSPACE MATERIAL SPECIFICATION

AMS1541™**REV. D**

Issued	1981-01
Revised	1991-07
Reaffirmed	1995-05
Noncurrent	2005-07
Stabilized	2023-05

Superseding AMS1541C

Cleaner, Fuel Drop Tank
Water Soluble

RATIONALE

Transition from noncurrent to stabilized.

STABILIZED NOTICE

AMS1541 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.

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<https://www.sae.org/standards/content/AMS1541D/>

NONCURRENT NOTICE

This specification has been declared “NONCURRENT” by the Aerospace Materials Division, SAE, as of July 2005. It is recommended, therefore, that this specification not be specified for new designs.

“NONCURRENT” refers to those specifications which have previously been widely used and which may be required on some existing designs in the future. The Aerospace Materials Division, however, does not recommend these specifications for future use in new designs. “NONCURRENT” specifications are available from SAE upon request.

1. SCOPE:

1.1 Form:

This specification covers a water-soluble, oil-dispersing cleaner in the form of a liquid.

1.2 Application:

Primarily for cleaning and purging external, removable fuel tanks.

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.

2.1.1 Aerospace Material Specifications:

AMS 2825	Material Safety Data Sheets
AMS 4025	Aluminum Alloy Sheet and Plate, 1.0Mg - 0.60Si - 0.28Cu - 0.20Cr (6061; -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 1193	Reagent Water
ASTM D 1568	Sampling and Chemical Analysis of Alkylbenzene Sulfonates
ASTM E 70	pH of Aqueous Solutions With the Glass Electrode
ASTM F 483	Total Immersion Corrosion Test for Aircraft Maintenance Chemicals
ASTM F 485	Effects of Cleaners on Unpainted Aircraft Surfaces
ASTM F 1104	Preparing Aircraft Cleaning Compound, Liquid Type, Water Base, for Storage Stability Testing