

NOT MEASUREMENT  
SENSITIVE

MIL-S-29574(AS)  
AMENDMENT 1  
14 February 2000

MILITARY SPECIFICATION

SEALING COMPOUND, POLYTHIOETHER, FOR AIRCRAFT STRUCTURES,  
FUEL AND HIGH TEMPERATURE RESISTANT, FAST CURING  
AT AMBIENT AND LOW TEMPERATURES

This amendment forms a part of MIL-S-29574, dated 04 December 1989, 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 2

2.1.1, under SPECIFICATIONS, FEDERAL, delete:

“TT-E-751 - Ethyl Acetate, Technical  
TT-I-735 - Isopropyl Alcohol  
TT-M-261 - Methyl Ethyl Ketone, Technical  
TT-N-97 - Naphtha, Aromatic  
TT-S-735 - Standard Test Fluids, Hydrocarbon  
TT-T-548 - Toluene, Technical.”

PAGE 3

2.1.1, under SPECIFICATIONS, MILITARY, delete:

“MIL-C-38736 - Compound Solvent for Use in Integral Fuel Tanks.”

2.1.1, under STANDARDS, FEDERAL, delete:

“FED-STD-791- Lubricant, Liquid Fuel and Related Products, Methods  
of Testing. ”

MIL-S-29574(AS)  
AMENDMENT 1

PAGE 4

2.2, under SOCIETY FOR AUTOMOTIVE ENGINEERS (SAE), add:

“SAE-AMS3166 - Solvents, Cleaning, Cleaning Prior to Application of Sealing Compounds. (DoD Adopted)”

PAGE 15

4.7.1.1: Delete the first sentence and substitute “Except where otherwise specified herein, aluminum alloy panels shall be cleaned with lint free cheesecloth conforming to MIL-C-87962 using solvent in accordance with SAE-AMS3166.”

4.7.1.2: Delete line 3 and substitute “SAE-AMS3166, followed by scuffing with abrasive mats conforming.”

TABLE VII: Delete in its entirety.

4.9, after the paragraph identification add: “Jet reference fluid shall be in accordance with SAE-AMS2629, Type I, except the chalking test shall use fluid in accordance with SAE-AMS2629, Type II. Fluid older than 90 days shall be retested for mercaptan and total sulfur content before use.

4.9.1: Delete in its entirety.

PAGE 16

4.9.2: Delete in its entirety.

PAGE 17

4.10.5, line 6: Delete “with MIL-C-38736 cleaner” and substitute “in accordance with 4.7.1.”

PAGE 22

4.10.15, lines 22 and 23: Delete “isopropyl alcohol or solvent, formulated in accordance with Table V” and substitute “solvent specified in 4.7.1.”

Preparing activity:  
Navy – AS

(Project 8030-N803)