



# AEROSPACE MATERIAL SPECIFICATION

**AMS1428™/1**

Issued

2017-02

Fluid, Aircraft Deicing/Anti-Icing, Non-Newtonian  
(Pseudoplastic), SAE Types II, III, and IV Glycol (Conventional  
and Non-Conventional) Based

## RATIONALE

This document has been produced to identify the generic product Fluid, Aircraft Deicing/Anti-Icing, Non-Newtonian (Pseudoplastic), SAE Types II, III, and IV.

Glycol (Conventional and Non-Conventional) is defined under 3.1.1 in AMS1428J.

### 1. SCOPE

#### 1.1 Form

The foundation specification (AMS1428J) and the category specifications (AMS1428/1 and AMS1428/2) cover deicing/anti-icing materials in the form of a fluid.

##### 1.1.1 Foundation and Category Specifications

The foundation specification establishes the requirements for all fluid, aircraft deicing/anti-icing, non-Newtonian (pseudoplastic), SAE Types II, III, and IV, and defines the terms Glycol (conventional and non-conventional) and Non-Glycol, and contains technical and other requirements that apply to both Glycol (conventional and non-conventional) and non-Glycol based fluids.

The category specification AMS1428/1 covers Glycol (conventional and non-conventional) based fluids whereas the category specification AMS1428/2 covers non-Glycol based fluids.

#### 1.2 Other Scope Requirements

Other Scope requirements are set in AMS1428J.

SAE Technical Standards Board 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 © 2017 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>

SAE WEB ADDRESS:

**SAE values your input. To provide feedback on this  
Technical Report, please visit  
<http://standards.sae.org/AMS1428/1>**