

CANCELLED



400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE MATERIAL SPECIFICATION

Submitted for recognition as an American National Standard



AMS 1432A

Issued OCT 1991

Revised NOV 1995

Superseding AMS 1432

FLUID, DEICING/ANTI-ICING, RUNWAYS AND TAXIWAYS Potassium Acetate Base

This specification has been declared "CANCELLED" by the Aerospace Materials Division, SAE, as of November 1995, and has been superseded by AMS 1435. The requirements of the latest issue of AMS 1435 shall be fulfilled whenever reference is made to the cancelled AMS 1432. By this action, this document will remain listed in the Numerical Section of the Index of Aerospace Material Specifications noting that it is superseded by AMS 1435.

Cancelled specifications are available from SAE upon request.

PREPARED UNDER THE JURISDICTION OF AMS COMMITTEE "J"

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1. SCOPE:

1.1 Form:

This specification covers a potassium-acetate base deicing/anti-icing fluid in the form of a concentrated liquid.

1.2 Application:

This fluid has been used typically on airport runways and taxiways for the prevention and removal of frozen deposits of frost and ice, but usage is not limited to such usage.

1.3 Precautions:

Airport authorities should ascertain the friction coefficient of the runway after application of the deicing/anti-icing fluid.

1.4 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 2470 Anodic Treatment of Aluminum Alloys, Chromic Acid Process
AMS 2475 Protective Treatments, Magnesium Alloys
AMS 2825 Material Safety Data Sheets
AMS 4037 Aluminum Alloy Sheet and Plate, 4.4Cu - 1.5Mg - 0.60Mn, (2024; -T3 Flat Sheet, -T351 Plate), Solution Heat Treated
AMS 4041 Aluminum Alloy Sheet and Plate, Alclad, 4.4Cu - 1.5Mg - 0.60Mn, (Alclad 2024 and 1-1/2% Alclad 2024-T3 Flat Sheet; 1-1/2% Alclad 2024-T351 Plate)
AMS 4045 Aluminum Alloy Sheet and Plate, 5.6Zn - 2.5Mg - 1.6Cu - 0.23Cr, (7075; -T6 Sheet, -T651 Plate), Solution and Precipitation Heat Treated
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
AMS 4376 Magnesium Alloy Plate, 3.0Al - 1.0Zn, (AZ31B-H26), Cold Rolled and Partially Annealed
AMS 4911 Titanium Alloy Sheet, Strip, and Plate, 6Al - 4V, Annealed
MAM 4911 Titanium Alloy Sheet, Strip, and Plate, 6Al - 4V, Annealed
AMS 5045 Steel Sheet and Strip, 0.25 Carbon maximum, Hard Temper

2.2 ASTM Publications:

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

ASTM C 672 Scaling Resistance of Concrete Surfaces Exposed To Deicing Chemicals
ASTM D 56 Flash Point by Tag Closed Tester
ASTM D 891 Specific Gravity of Liquid Industrial Chemicals
ASTM D 1177 Freezing Point of Aqueous Engine Coolant Solution
ASTM D 1193 Reagent Water
ASTM D 1568 Sampling and Chemical Analysis of Alkylbenzene Sulfonates
ASTM D 4057 Manual Sampling of Petroleum and Petroleum Products
ASTM D 4177 Automatic Sampling of Petroleum and Petroleum Products
ASTM E 70 pH of Aqueous Solutions with the Glass Electrode
ASTM F 483 Total Immersion Corrosion Test for Aircraft Maintenance Chemicals
ASTM F 484 Stress Cracking of Acrylic Plastics in Contact with Liquid or Semi-Liquid Compounds
ASTM F 485 Effects of Cleaners on Unpainted Aircraft Surfaces
ASTM F 502 Effects of Cleaning and Chemical Maintenance Materials on Painted Aircraft Surfaces