



Federal Aviation Administration

National Part 139 CertAlert

****Advisory**Cautionary**Non-Directive**Advisory**Cautionary**Non-Directive**Advisory**Cautionary**Non-Directive****

No. 22-08

Date: November 29, 2022
To: All Title 14 CFR Part 139 Airport Operators
Subject: Deicing/Anti-Icing Product Awareness
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1. **Purpose.** This CertAlert provides guidance and awareness on specifications for FAA-recommended airside pavement deicer and anti-icer products.
2. **Background.** The FAA provides specifications or, in certain instances, references the specifications of third parties, such as professional associations like the Society of Automotive Engineers (SAE) Aerospace Material Specifications (AMS) and the U.S. military (MIL-SPEC), for deicing/anti-icing products. These specifications require vendors to provide airport operators with a certification stating the product conforms to the applicable specification. Additionally, the vendor is required to provide a safety data sheet (SDS) for product acceptability.

The FAA does not recommend the use of deicing/anti-icing products that do not meet the associated specifications for that product type.

For additional clarity:

- **Liquid** deicing/anti-icing products should meet the specifications in the current edition of SAE AMS 1435, *Liquid Runway Deicing/Anti-Icing Product*.
 - **Solid** deicing/anti-icing products should meet the specifications in the current edition of SAE AMS 1431, *Solid Runway Deicing/Anti-Icing Product*.
 - **Liquefied Solid (making a liquid from a solid product)** deicing/anti-icing products should meet the specifications in the current edition of SAE AMS 1435, *Liquid Runway Deicing/Anti-Icing Product*.
3. **Action.** When using approved chemicals, airport operators should ensure the products being used meet all standards and are in conformance with the appropriate specification. Airport operators should be particularly mindful when mixing/brining a solid product to create a liquefied solid. In its “liquefied solid” form, the resulting product must meet the **liquid**

deicing/anti-icing specification (SAE AMS 1435, *Liquid Runway Deicing/Anti-Icing Product*) as the original solid product specification is no longer applicable.

4. Refer to Advisory Circular [150/5200-30, Airport Field Condition Assessments and Winter Operations Safety](#), paragraph 4.6, for additional information.



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