

# SMI, Inc.

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SMI/REF: 1602-714

Product: **RUNWAY GUARD KF (Batch 07/15)** (received 13-Apr-2016)

Dilution: As received

Page 1 of 10

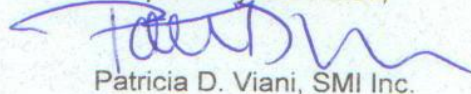
**AMS 1435C** (Revised June, 2012)  
FLUID, GENERIC, DEICING/ANTI-ICING  
Runways and Taxiways

3.1	MATERIAL	
3.1.1	Environmental Information	
3.1.1.1	Biodegradability	Informational
3.1.1.2	Ecological Behavior (LC <sub>50</sub> )	Informational
3.1.1.3	Trace Contaminants	Informational
3.1.2	Appearance	Conforms
3.2	PROPERTIES	
3.2.1	Flash Point	Conforms
3.2.2	Specific Gravity	Informational
3.2.3	pH	Conforms
3.2.4	Freezing Point	Conforms
3.2.5	Effect on Aircraft Metals	
3.2.5.1	Sandwich Corrosion	Conforms
3.2.5.2	Total Immersion Corrosion	Conforms
3.2.5.3	Low Embrittling Cadmium Plate	Conforms
3.2.5.3.1	Cyclic Immersion Corrosion of Cadmium Plate	Informational
3.2.5.4	Hydrogen Embrittlement	Conforms
3.2.5.5	Stress-Corrosion Resistance	
	AMS 4911	Conforms
	AMS 4916	Informational
3.2.6	Effect on Transparent Plastics	
	MIL-P-25690 (Type C)	Conforms
	MIL-P-83310 (Polycarbonate)	Conforms
3.2.7	Effect on Painted Surfaces	Conforms
3.2.8	Effect on Unpainted Surfaces	Conforms
3.2.9	Rinsibility	Conforms
3.2.10	Effect on Runway Pavements	
3.2.10.1	Runway Concrete Scaling Resistance	Conforms
3.2.10.2	Asphalt Concrete Degradation Resistance	<sup>1</sup> Not performed by SMI
3.2.11	Storage Stability	Not performed
3.2.12	Performance	
	Ice Melting Effectiveness	Informational
	Ice Undercutting Effectiveness	Informational
	Ice Penetration Effectiveness	Informational
3.2.13	Effect on Carbon-Brake Systems	<sup>2</sup> Not performed by SMI

<sup>1</sup>Testing required for deicer /anti-icer products used in Europe. This test is not performed by SMI.

<sup>2</sup> This test is not performed by SMI.

Respectfully submitted,



Patricia D. Viani, SMI Inc.