

TECHNICAL DATA SHEET

Safeway™ SF**Product description**

Safeway™ SF is an efficient solid de-icer for runways and aprons that meets or exceeds the current SAE AMS 1431 specification and conforms to strict ecological requirements.

Sodium formate, the basis of Safeway™ SF, acts as a freezing point depressant and melts ice and snow rapidly. The specially designed composition of Safeway™ SF ensures that the materials employed in aircraft construction are not attacked. The laboratory of Scientific Material International Inc., Miami approved Safeway™ SF by conducting all tests required by to AMS 1431.

Safeway™ SF was tested not only on paints and clear acrylic sheet but also on various metals to show its low corrosive effect; the sandwich corrosion test, a special aluminium corrosion test and the hydrogen embrittlement test were also conducted with positive results.

Eco-toxicological tests demonstrate that Safeway™ SF is toxicologically harmless and has a low COD value. Like acetates it is easily biodegradable. The use of Safeway™ SF avoids nitrogen contamination of surface and ground water. Also, oxygen depletion of soil or surface waters or in the sewage treatment plant is reduced.

Key Product Properties

Appearance	White to slightly yellow granules	visual
Bulk Density	Approx. 941 kg/m ³	DIN 53466
pH Value (50 g/L at 20°C)	Approx. 11.5	DIN 19268
Melting Point	Approx. 260°C	OECD 102
COD	0.28 kg O ₂ /kg	APHA; Annex A
BOD	0.11 O ₂ /kg	APHA; Annex A
Shelf-life	2 years	

Publisher

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