

## Safeway® SF

Safeway SF is an advanced, environmentally friendly, granular de-/anti-icer specially engineered to allow for the efficient removal of snow and ice from airport runways and aprons. Composed of sodium formate and corrosion inhibitors, Safeway SF is easy to apply, acts quickly and is FAA approved for airside use.

## Clariant

As one of the world's largest producers of specialty chemicals, Clariant has more than 30 years of experience making innovative products for runway and aircraft de-/anti-icing.

## Description

- FAA approved according to AMS 1431
- Anhydrous solid granular deicer
- Easily applied with conventional spreaders
- Rapidly melts ice and snow
- Allows snow and ice to be cleared quickly and economically

## Product Properties

Composition	≥ 98% Sodium Formate
Appearance	Irregular White Granules
Bulk Density	55 lbs/ft <sup>3</sup>
BOD <sub>5</sub> Value	154 mg O <sub>2</sub> /g
COD Value	211 mg O <sub>2</sub> /g
Inherent Biodegradability	> 90% (7 days)

Safeway SF meets or exceeds the requirements of the internationally recognized Aerospace Materials Specification AMS 1431 for solid runway and taxiway de-/anti-icing compounds.

## Application

Safeway SF is easily spread using a wide range of conventional equipment such as rotating plate spreaders. Safeway SF penetrates ice and packed snow, breaking the bond with concrete or asphalt and facilitating snow-clearing operations.

## Deicing

Runway Conditions	Temperature	
	> 20° F	< 20° F
Ice, Packed Snow	2-4 lbs/1000 ft <sup>2</sup>	4-8 lbs/1000 ft <sup>2</sup>
Snow, Snowfall	5-7 lbs/1000 ft <sup>2</sup>	7-11 lbs/1000 ft <sup>2</sup>
Ice, Freezing Rain	6-8 lbs/1000 ft <sup>2</sup>	8-12 lbs/1000 ft <sup>2</sup>

Deicing effectiveness may be further enhanced by application with Safeway KA liquid potassium acetate.

## Anti-Icing

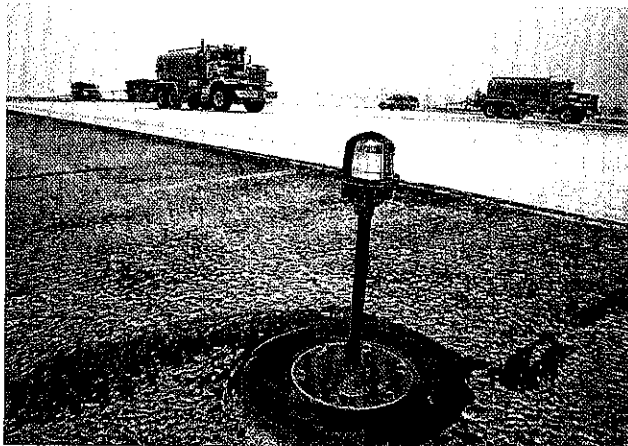
Safeway SF can be applied at a rate of 4-6 lbs/1000 ft<sup>2</sup> immediately prior to the onset of precipitation. Pre-wetting with Safeway KA may increase efficiency.



# SAFEWAY® SF BENEFITS

## Performance Advantages

- Melts ice and snow faster than urea and sodium acetate
- Effective at lower temperatures (0° F)
- Lower use rates compared to urea and sodium acetate
- Irregularly shaped granules are less likely to blow away than spherical prills



## Delivery & Storage

Safeway SF is available in bulk dump trucks, 2205 lb. (1000 kg) sacks or 55 lb. (25 kg) bags packed 40 per pallet. To avoid sticking and caking, Safeway SF should be stored in a dry place.

Note: Clariant's recommendations as to use of its de-/anti-icing products are based upon information believed to be reliable, but Clariant shall have no liability with respect to any such recommendations. Clariant's sole warranty is that its de-/anti-icing products meet printed specifications. All other warranties are excluded.

## Environmental Advantages

- Helps airports meet ecological requirements
- Does not contain chlorides, nitrates, nitrites or triazoles
- Biodegradable with lower COD and BOD levels than urea and sodium acetate

