

FORCECLEAR® LIQUID RUNWAY DEICER

PRODUCT DATA SHEET (PDS)

ForceClear® is an environmentally safe liquid runway deicer that is safe for use on runways, taxiways, and parking aprons.

FORCECLEAR® CERTIFICATION

ForceClear® is certified to meet SAE AMS 1435D specifications per FAA requirements

FORCECLEAR® PHYSICAL PROPERTIES

Composition	Potassium Acetate, 50% <1% Corrosion Inhibitor
Appearance	Clear or Blue/Purple Liquid
Specific Gravity	1.274-1.304
Lbs./Gallon	10.62-10.87
pH	10.5 -11.5
Viscosity	6-10 cP
Freezing Point	-76°F (-60°C)

FORCECLEAR® APPLICATION

The following are only general guidelines, as the optimal application rates will vary based on multiple conditions including the type of precipitation, air/ground temperatures, wind, humidity, surface material, and application equipment.

Prewetting	1.25 gallons/100 lbs. of equivalent solid deicer
Anti-icing	0.5 gallons/1000 ft ²
Deicing	1.0-3.2 gallons/1000 ft ² , depending on ice thickness

FORCECLEAR® ENVIRONMENTAL PROPERTIES

ForceClear® is non-toxic, non-hazardous, and does not contain chlorides

ForceClear® is readily biodegradable in water and maintains a low COD and BOD

Biological Oxygen Demand (BOD)	<0.22 Kg O ₂ /Kg ForceClear®
Chemical Oxygen Demand (COD)	<0.33 Kg O ₂ /Kg ForceClear®

FORCECLEAR® STORAGE AND HANDLING

All equipment, storage tanks, and surfaces that are exposed to potassium acetate deicers should be regularly cleaned (especially before and after winter season) to maintain equipment integrity and reduce deterioration.

ForceClear® should be stored in a polyethylene, stainless steel, or carbon steel container that has not been oxidized.

It should not be stored with brass, zinc or galvanized; aluminum should be avoided for long term storage.

ForceClear® must be stored in a dry area protected from weather and sunlight.

PELICAN CHEMICALS, INC.

FORCE RUNWAY DEICERS

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