

### Airport Application and Product Handling Guidelines

Cryotech NAAC is pelleted 97% anhydrous sodium acetate - a low corrosion, environmental alternative to ordinary deicers like glycols, chlorides and urea. NAAC is certified to FAA-approved SAE AMS 1431 specification for use on runways and ramps. NAAC is also selected for other applications when a low corrosion, environmentally friendly deicer is preferred. NAAC is effective to 0°F (-18°C). It works faster than ordinary deicers because it absorbs water quickly and easily. This characteristic requires care in storage, always keep NAAC covered and in the original package until use.

#### PLEASE READ THE PRODUCT MSDS PRIOR TO HANDLING

**NAAC  
Performs  
Effectively**

#### **NAAC pellets are exothermic; they release heat and burrow to the surface:**

- ❖ Early application of NAAC (as the snow begins to fall and prior to ice formation) will significantly improve its performance.
- ❖ NAAC will begin melting almost immediately after application.
- ❖ Manually remove snow or ice pack after surface bonding is broken to prevent refreeze from deicer dilution.
- ❖ NAAC gives a residual, anti-icing action.
- ❖ Spreads evenly.

#### **NAAC weighs 50 - 54 lbs/ft³:**

- ❖ NAAC gives denser, more uniform coverage - more particles per square foot.
- ❖ Proper equipment calibration is important to compensate for density.

At Equal Application Rates:



#### **NAAC comes in two packaging options:**

- ❖ 2205 lb (1000 kg) Super Sacks (1 per pallet, minimum 1 pallet).
- ❖ 55 lb (25 kg) poly bags (40 per pallet, minimum 1 pallet).

#### **Procedures for handling and emptying packages:**

- ❖ NAAC pellets have a natural tendency to loosely stick to one another during storage. If the package exterior feels stiff to the touch, the product may have compacted in storage. If compaction does occur, the following procedures for emptying the packages are recommended.
- ❖ 2205 lb (1000 kg) Super Sack - use forklift to lift by straps, drop bag a short distance onto the floor (2-3 times) to loosen any compacted product. Then use the drawstring chute at the bottom of the bag, or use a knife to slit the bottom, and allow product to flow.
- ❖ 55 lb (25 kg) poly bag - drop bag onto hard surface 2-3 times (similar to the way you loosen a bag of ice).

**NAAC Has  
Improved  
Coverage**

**NAAC  
Packaging/  
Handling**

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### NAAC Application

#### NAAC Application:

- ❖ The amount of NAAC to be applied is determined by the surface temperature, the ambient temperature, and the quality and quantity of pack. On thin ice, near freezing, typically start at 5-7 lbs/1000ft<sup>2</sup> (25-35 g/m<sup>2</sup>) or 300-420 lbs/lane mile. After operators gain experience, NAAC applications and rates should be adjusted locally as required.
- ❖ Apply just as surface turns white, snow begins to stick, or ice begins to form. Premature application may result in product loss from traffic or wind. Late application reduces effectiveness.
- ❖ Allow enough time for NAAC to penetrate to the surface and loosen the ice or snow pack before plowing, shoveling, or brooming. NAAC will penetrate more quickly at higher temperatures and time should be adjusted according to temperature and quantity of the ice or snow pack. Once loosened, it is important to quickly remove the loosened pack to prevent refreeze because of the dilution of the deicer concentration.
- ❖ Expect a good residual effect.
- ❖ Re-apply when new snow accumulation shows first tendency to pack or bond to the surface, or surface starts to refreeze.
- ❖ Product effectiveness diminishes below 0°F (-18°C).

### Keep NAAC in Dry Storage

#### NAAC Storage:

- ❖ Store in original container when possible.
- ❖ Keep NAAC dry.
- ❖ NAAC may cake in equipment if it gets wet. Don't park loaded spreading equipment outside in the weather.
- ❖ Keep equipment exterior surfaces clean.
- ❖ Close open bags after use.
- ❖ If overhandling causes dust, wear a paper dust mask and goggles.
- ❖ Wear rubber gloves when handling NAAC.

### NAAC and Sand

#### NAAC/Sand Mixtures:

- ❖ Applications of straight NAAC give the best results.
- ❖ If mixing NAAC with sand, blend 25% NAAC with 75% sand, by weight; or about one scoop of NAAC to two scoops of sand.
- ❖ Avoid mixing with wet sand unless for immediate use.
- ❖ Avoid mixing with more sand than is needed for current storm.

#### FOR MORE INFORMATION CONTACT:

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