

BEET x HEET®

USERS GUIDE

SALT STOCKPILE TREATMENT

BEET HEET® Concentrate

- Evenly apply to salt at 5 gallons per ton and turn until uniformly coated and colored
- Rock salt must have a moisture content of less than 1.5%
- If the salt's moisture content is greater than 1.5%, apply at 4 gallons per ton

Benefits at 5 gal/ton

- Melts 65.1% more ice than untreated rock salt at 5 gal. per ton at 25°F*
- Melts 153.2% more ice than untreated rock salt at 5 gal. per ton at 15°F*
- Melts 38.1% more ice than 32% CaCl₂ treated salt at 5 gal. per ton at 25°F*
- Reduce salt application rates 28% at 25°F if transitioning from “beet juice” pre-wet.
- Reduce salt application rates 27% at 25°F if transitioning from 32% CaCl₂ pre-wet.
- Reduce salt application rates 39% at 25°F if transitioning from untreated rock salt.

SALT PRE-WETTING

BEET HEET® Blends

- Refer to the following blending and application rate chart.

Salt Pre-Wetting Blend & Application Rate Recommendations								
Deicer Blend		BEET HEET Concentrate	BEET HEET Severe	BEET HEET Moderate	BEET HEET Typical	Super Saturation	Super Saturation	Hyper Saturation
Blend Ratio	% of BEET HEET Concentrate	100	50	40	33	30	25	20
	% of 23.3% NaCl Brine	0	50	60	67	70	75	80
Suggested Application Rate (Gallons Per Ton)		5	10	12.5	15	16.5	20	25

- Apply directly to salt in auger box or at spinner.

Benefits

- Melts up to 65.1% more ice than untreated rock salt at 25°F*
- Melts 153.2% more ice than untreated rock salt at 15°F*
- Melts 38.1% more ice than 32% CaCl₂ treated salt at 25°F*
- Reduce salt application rates up to 28% at 25°F if transitioning from beet juice pre-wet
- Reduce salt application rates up to 39% at 25°F if transitioning from untreated rock salt

SHOWERING SALT

BEET HEET® Severe (50% BEET HEET Concentrate, 50% 23.3% NaCl Brine)

- Do not shower full truck loads.
- Shower salt in the loader bucket before dumping into bed.
- Once showered and loaded, it should be fully dispensed without delay.

DIRECT APPLICATION ANTI-ICING

BEET HEET® Severe (50% BEET HEET Concentrate, 50% 23.3% NaCl Brine)

BEET HEET® Moderate (40% BEET HEET Concentrate, 60% 23.3% NaCl Brine)

BEET HEET® Typical (33% BEET HEET Concentrate, 67% 23.3% NaCl Brine)

- Apply when surface temperatures are expected to fall below 32°F
- Apply at 15 to 25 gallons per lane mile depending on the incoming weather event

Benefits

- Melts up to 26.9% more ice than 23.3% NaCl brine at 20°F*
- Melts up to 19.8% more ice than a 10/15/75 “super-mix” anti-icer at 20°F*
- Melts up to 16.2% more ice than a S30/70 “beet juice” anti-icer at 20°F*
- Far superior anti-bonding properties allowing much easier snow and ice removal
- Superior residual properties reducing the number of applications per event and season

DIRECT APPLICATION DE-ICING

BEET HEET® Severe (50% BEET HEET Concentrate, 50% 23.3% NaCl Brine)

- Apply directly to ice and hard pack
- Apply at 35 to 45 gallons per lane mile depending on depth of ice or hard pack

Benefits

- Greater ice melt capacity than 32% calcium chloride at 0°F, 10°F, and 20°F*
- Melts 26.9% more ice than 23.3% NaCl brine at 20°F*
- Melts 19.8% more ice than a 10/15/75 “super-mix” anti-icer at 20°F*
- Melts 16.2% more ice than a S30/70 “beet juice” anti-icer at 20°F*
- Far superior anti-bonding properties allowing much easier snow and ice removal
- Superior residual properties reducing the number of applications per event and season



111 West Garfield St.

P.O. Box 428

Ashley, IN 46705

260.587.3888

dpreston@ktechcoatings.com

www.ktechcoatings.com

YouTube: **ktechcoatings**

The data and information presented herein are based upon tests, research and reports which are considered to be reliable and accurate. The data and information are presented without warranty, guarantee or liability on our part, and are presented to the customer for his or her own consideration, investigation and verification. Because of numerous factors affecting test results, seller makes no warranty of any kind, express or implied, other than the product conforms to its applicable current standard specifications.

* Advanced Laboratories, Inc. Salt Lake City, Utah