



# TECHNICAL DATA SHEET

## DESCRIPTION

BEET HEET® Concentrate is an organic based, corrosion inhibited, liquid deicer containing a highly refined carbohydrate concentrate, two exothermic chlorides and two non-exothermic chlorides. BEET HEET® Concentrate is a ready-to-use salt pre-wetting agent, and can also be blended with low cost 23.3% NaCl brine to create a lower cost, high performance, salt pre-wetting agent or direct application deicer/anti-icer.

## ENVIRONMENT

BEET HEET® Concentrate and BEET HEET® Severe have passed the rigorous testing standards of the Pacific Northwest Snowfighters and are listed on the **PNS Qualified Products List**. BEET HEET® Concentrate is **99% biodegradable**, and achieves the “**readily biodegradable**” criteria by day 8. The USEPA has screened the ingredients in BEET HEET® Concentrate and BEET HEET® Severe and has authorized both products to carry the **USEPA Designed for the Environment label**. No other salt pre-wetting agent in North America can **reduce chloride emissions** as much as BEET HEET® Concentrate and BEET HEET® Severe.

## PERFORMANCE

BEET HEET® Concentrate and BEET HEET® Severe have greater ice melting capacities than 32% CaCl<sub>2</sub>, 28% MgCl<sub>2</sub>, and “beet juice” deicers, at all temperature ranges. BEET HEET® Concentrate and BEET HEET® Severe provide far superior anti-bonding and residual effects than 32% CaCl<sub>2</sub>, 28% MgCl<sub>2</sub>, and 23.3% NaCl deicers.

## COMPOSITION

Highly refined carbohydrate, CaCl<sub>2</sub>, MgCl<sub>2</sub>, KCl and NaCl. >51% solids. <32% chloride content. >15.0% total carbohydrate content. BEET HEET® Concentrate contains **375% more exothermic chlorides**, **400% to 1062% more carbohydrates**, and **20% less water** than a typical “super-mix” anti-icer/deicer. BEET HEET® Concentrate contains **56% to 214% more active ingredients** than a typical 55% solids “beet juice” deicer.

## TYPICAL PROPERTIES

Appearance	Dark Brown Liquid
pH	6.0 – 8.0
Specific Gravity	1.28 – 1.30
Water Miscibility	Complete
Lbs. Per Gallon	10.65 – 10.85
Odor	Chocolate/Syrup/Coffee