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## Resources

### APWA

Brine Fact Sheet <file:///C:/Users/dwclo/Downloads/BrineFactSheet.pdf>

S&I Control Handbook (\$)

<http://www.apwa.net/Store/SearchResults.aspx?searchterm=snow+and+ice+control&searchoption=ALL>

**Clear Roads** – Winter maintenance research and tools <http://clearroads.org/>

**Snow and Ice Management Association** <https://www.sima.org/>

**ODOT RWIS** <https://www.ohgo.com/>

**DW Clonch website** [www.dwclonch.com](http://www.dwclonch.com)

## Terms

**Anti-ice** – application of deicer (usually a liquid) prior to the start of an event

**De-ice** – treatment after the onset of an event – application of chemicals – typically solids or pre-wetted solids

**Pre-treating a surface** – used interchangeably with anti-icing when referencing the application of deicer before the onset of an event

**Pre-treating solids** - used to describe the pre-treating of solids with liquids prior to solids being used for treatment, also known as prewetting

**Prewetting solids** – used to describe the prewetting of solids with liquids prior to solids being used for treatment

**Application rates** – used to describe the amount of material being applied in a select treatment. Solids are typically described as pounds per lane mile or pounds per acre. Liquids are described as gallons per lane mile or gallons per SF, SY, or acre.

Concentration – percentage by weight of the deicer chemical in the given solution or product

Solution – mixture of deicer chemical and water

Exothermic – gives off heat when going into solution or gets warmer

Endothermic – requires heat to go into solution or gets colder

Dilution of solution – the dilution of the chemical concentration by additional moisture

Hygroscopic – draws moisture into solution

Eutectic Temperature and Concentration – the lowest temperature a deicer can melt or not freeze at the given concentration