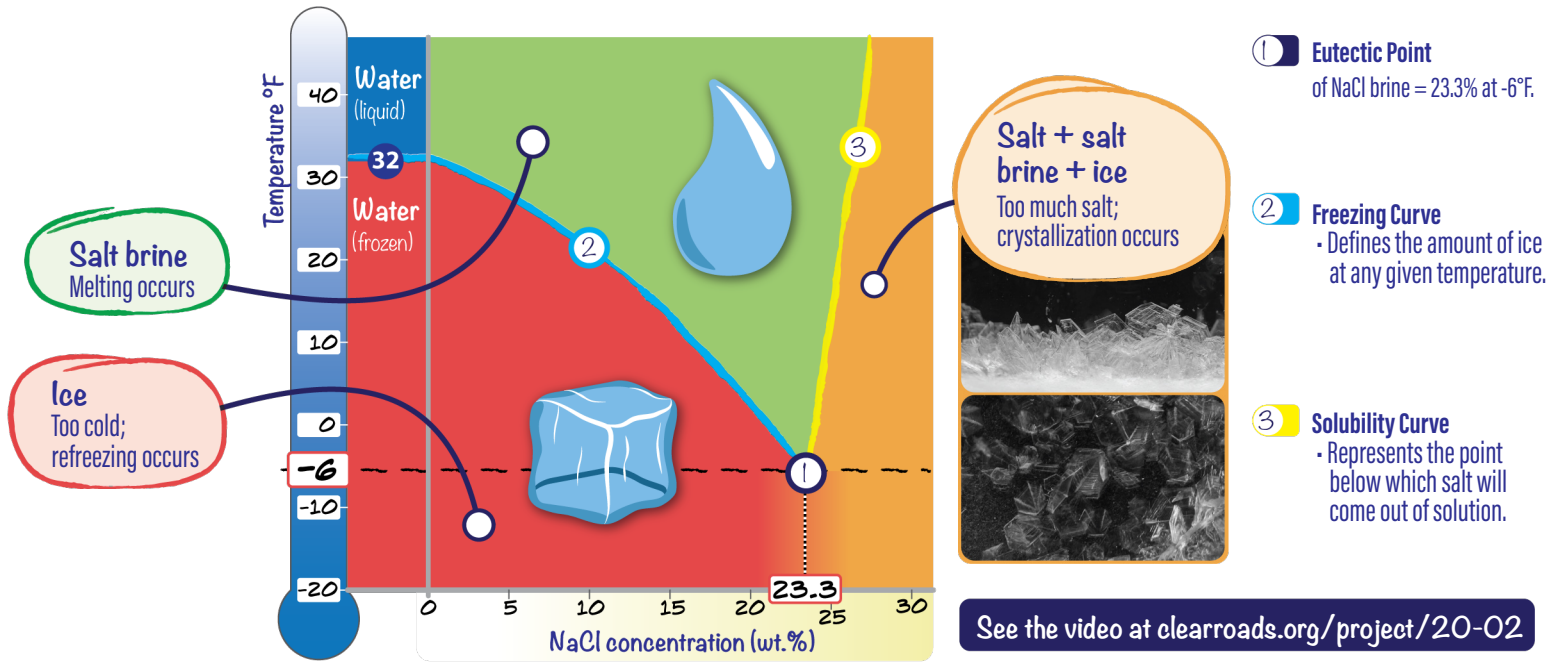
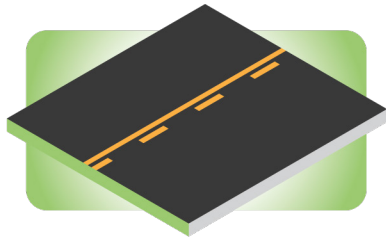
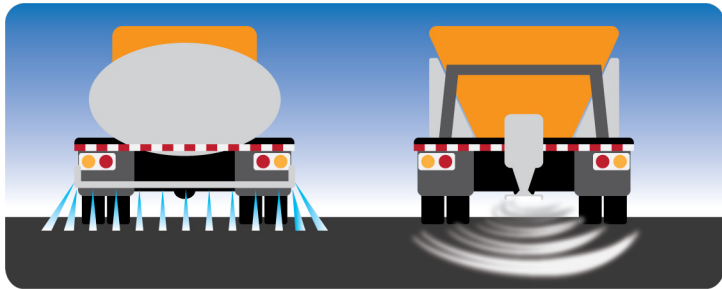


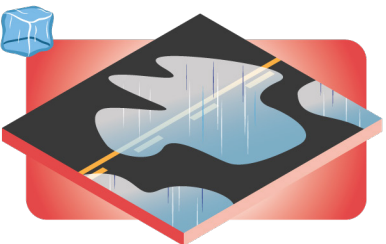
# Understanding Salt Brine Concentration



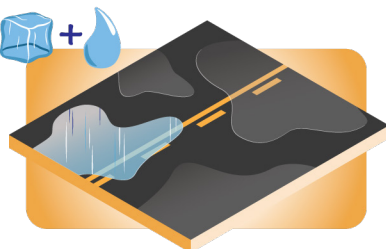
## Impact of brine concentration on anti-icing operations



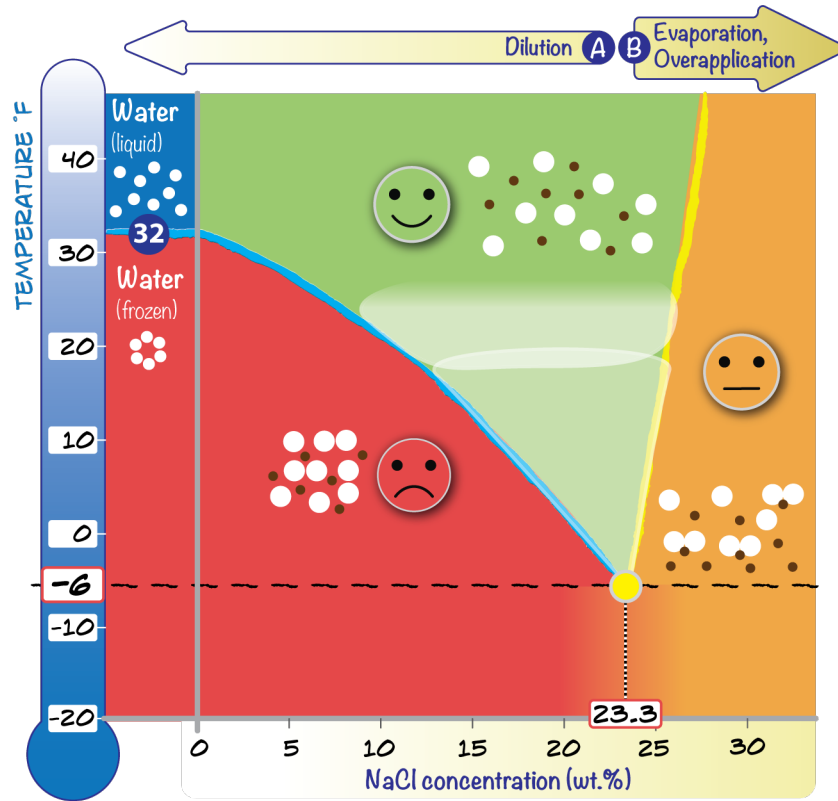
**Green is good!**  
- Peak ice-melting potential.



**Red is bad...**  
- Too diluted, causing reduced ice-melting ability!  
- Dangerous and icy with refreeze potential.



**Orange is okay...**  
- Oversaturated with too much salt.  
- This is wasteful and does not help to melt more ice.



**A Dilution**  
- from snow and ice following application

**B Evaporation, Overapplication**  
- by air following application  
- overapplication of solids

○ Water Molecule  
● Sodium Chloride (NaCl)