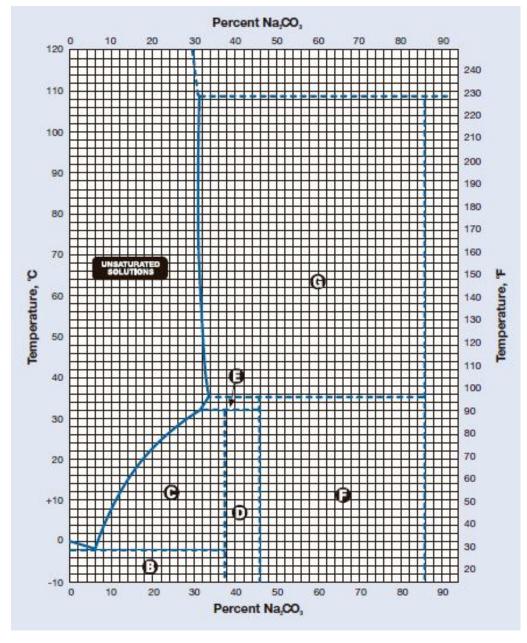
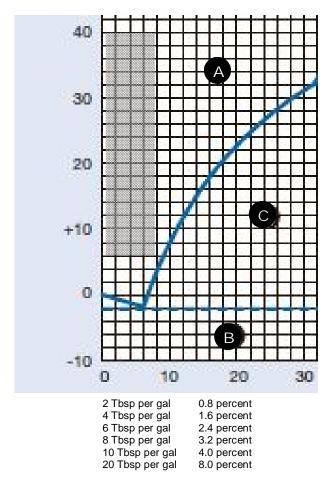
## Phase diagram for sodium carbonate solutions in water

Soda Ash Handbook, General Chemical Industrial Products





Zone A liquid, unsaturated solution (100 percent dissolved)

Zone B ice plus undissolved Na<sub>2</sub>CO<sub>3</sub>·10H<sub>2</sub>O

**Zone C** saturated solution in equilibrium with undissolved  $Na_2CO_3\cdot 10H_2O$ 

The area that is shaded in grey represents solutions of 2 to 20 tablespoons per gallon at solution temperatures of 43 to 104 Fahrenheit. The density of sodium carbonate was taken from General Chemical's literature and is 1000 kg/m³, or 15 grams per tablespoon.