



Tech

Technical Data

80 Metcalfe Street  
Buffalo, New York 14206  
716-856-2300/fax 716-856-7115

# SODIUM CHLORIDE

## **GENERAL DESCRIPTION:**

Sodium Chloride, commonly known as salt, is an ionic compound with the formula NaCl. It is an equal combination of sodium and chlorine. Salt is a mainstay in industrial processes and it is commonly used for chemical syntheses. Sodium Chloride is also commonly used in deicing as both a consumer and industrial product.

## **APPLICATIONS:**

- ◆ Solvay Process: sodium chloride is used to create sodium carbonate & calcium chloride
- ◆ Textiles: brine rinse to separate organic contaminants
- ◆ Pulp & Paper: bleaching purposes
- ◆ Water softening
- ◆ Deicing
- ◆ Food: condiment/flavoring

## **PHYSICAL PROPERTIES:**

- ◆ Appearance: White crystals
- ◆ pH: 6.7-10.0
- ◆ Odor: Halogen odor (when heated)
- ◆ Stability: stable

## **HANDLING & STORAGE:**

**Storage Temperature (min./max.):** Avoid humid or wet conditions as product will cake and become hard.

**Special Sensitivity:** Avoid contact with strong acids.

**Handling and Storage Precautions:** Becomes hygroscopic at 75% relative humidity.

\*\*\*[For more detail about product handling & safety info, please refer to the Material Safety Data Sheet](#)\*\*\*