



The Good family of companies

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## ROAD SALT/SODIUM/CAMDEN

### FACT SHEET

**Product:** Road salt (Also known as Sodium Chloride)

**Customers:** Cargill and Central Salt

#### Interesting Facts About Sodium As It Relates to Camden:

- Salt is not federally regulated, nor are there local or state laws that address the handling or management of salt/road salt. The Good family of companies (GFOC) did nothing wrong by having the salt at their Camden facility.
- The United States Environmental Protection Agency (“USEPA”) recommends sodium concentrations in drinking water of 30-60 mg/liter (mg/L) based on aesthetic effects (i.e., taste). This is a recommendation only, and is not federally enforceable, but it is intended as a guideline.
  - Sodium levels in the Village of Camden’s drinking water have ranged 90-197.9 mg/L in recent samples.

#### Interesting Facts About Sodium Levels in Water and Common Foods

- Sodium levels in everyday items (Source: OEPA, <http://www.epa.state.oh.us/pic/Camden.aspx>)
  - A soft drink contains 150-450 mg/L of sodium.
  - A sports drink exceeds 450 mg/L of sodium.
  - Canned chicken noodle soup can have 5,000 mg/L.
- If a home is equipped with a water softener, the water softener typically provides sodium at a level of 300 mg/L.

#### Interesting Facts About Producers/Consumers:

- 50% of all salt produced in USA (more than 13 million tons of road salt) is used on roadways.
- Effective “snow fighting” may reduce accidents by 88%.
  - According to the Ohio Department of Transportation, rock salt has been the most utilized, cost-effective ice-fighting material available for keeping roadways safe.
- With demand high, supply low and the cost of transportation rising, the price of a ton of salt has doubled and even tripled in some areas.
  - Calcium Chloride (treated road salt) is 6x more expensive than sodium chloride (untreated road salt).

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- There are 48 major salt producing facilities in the U.S.
  - Top producing states are Louisiana, New York, Ohio, Kansas, Michigan, Utah and Texas.
  - Cargill, in Cuyahoga County, produces approximately three million tons of salt annually.
- Ohio is the largest consumer of rock salt
  - The Ohio Department of Transportation uses more deicing material than any other organization.
- The City of Cincinnati alone purchases nearly 40,000 tons of road salt each year.
- In a heavy winter, states like Wisconsin can drop more than 600,000 tons of road salt on their highways.
- In snow zones, the #1 budget item for a municipality is usually road salt.

### **Interesting Facts About Salt:**

- One teaspoon of salt = 2,400 mg/L
- When you sweat during exercise, you lose sodium, about 90-1400 mg/L of sweat.
- Rock salt is already 210-320 million years old when it is mined from the ground
- No matter how old, never loses capacity to melt snow and ice. However, treated road salt will not work as well in colder temperatures if it gets wet before it is used.
- Salt can be found on the planet Mars.