



Calcium Chloride Products

# Calcium Chloride Manufacturing Process Overview

Calcium chloride ( $\text{CaCl}_2$ ) is a nonsynthetic, inorganic chemical that is manufactured by the Occidental Chemical Company in the manner described below:

## Manufacturing Process Overview

Aqueous brine is extracted from natural underground deposits by a third party company. This company adds lime to the brine to precipitate magnesium as magnesium hydroxide, which is removed by filtration and clarification. The remaining calcium chloride-rich brine is transferred via pipeline to OxyChem's Ludington, Michigan facility, where it is concentrated by water evaporation. The concentrated brine is fed to a dryer where white, free-flowing pellets of low water content are produced. After sieving to control particle size distribution, the pellets are loaded into railcars for transport to a third party company for packaging and distribution.

The following situations are not applicable to our product:

1. Use of "genetically altered material", "genetically modified microorganism" or "derivation via gene technology";
2. Intentional "irradiation";
3. Incorporation of "sewage sludge fertilizer".

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Process CaCl<sub>2</sub> Feb 2014



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