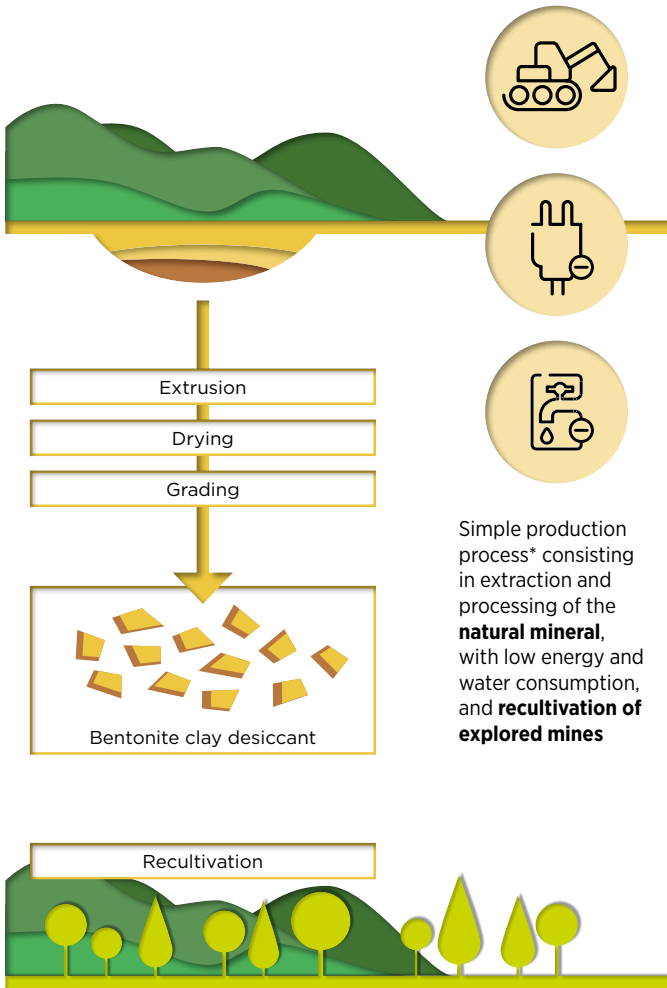


Desi Pak® - Bentonite clay based desiccants Advantages of a natural mineral

BENTONITE CLAY DESICCANTS

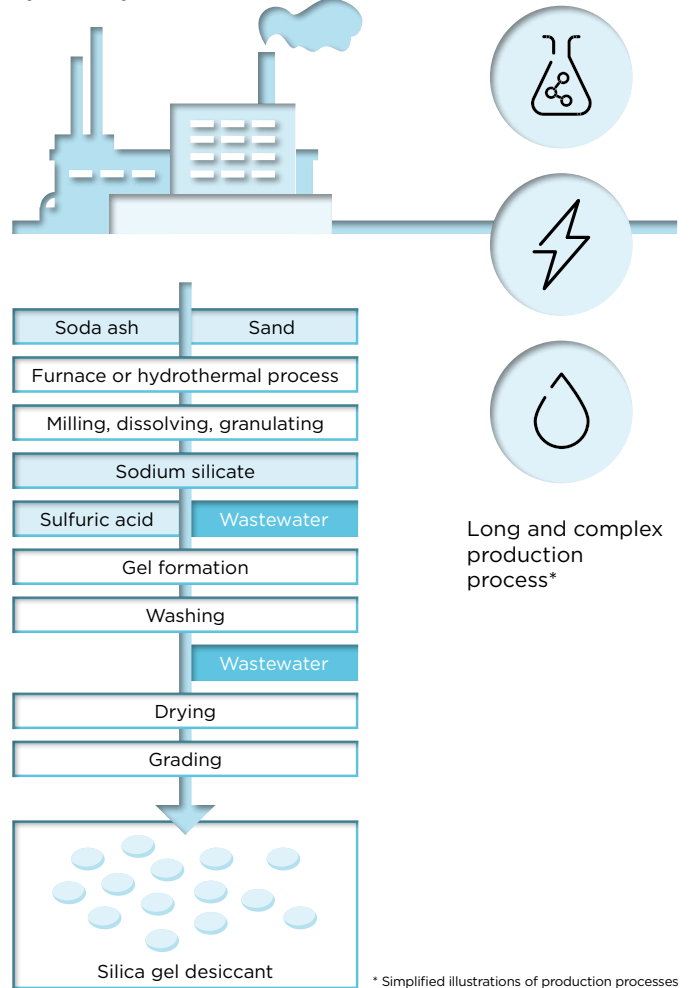
Calcium-rich montmorillonite clays
Processing of a natural mineral



Simple production process* consisting in extraction and processing of the **natural mineral**, with low energy and water consumption, and **recultivation of explored mines**

SILICA GEL DESICCANTS

Silicon dioxide
Synthetic production



Long and complex production process*

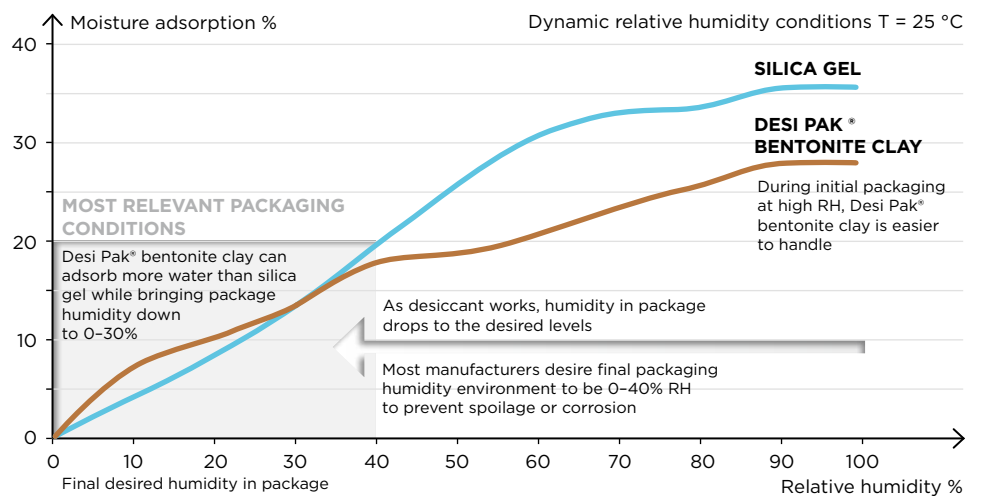
* Simplified illustrations of production processes

Desiccant capacities

Bentonite adsorbs more moisture than the equivalent amount of silica gel in **package conditions below 30% relative humidity (RH) - most common packaging conditions**

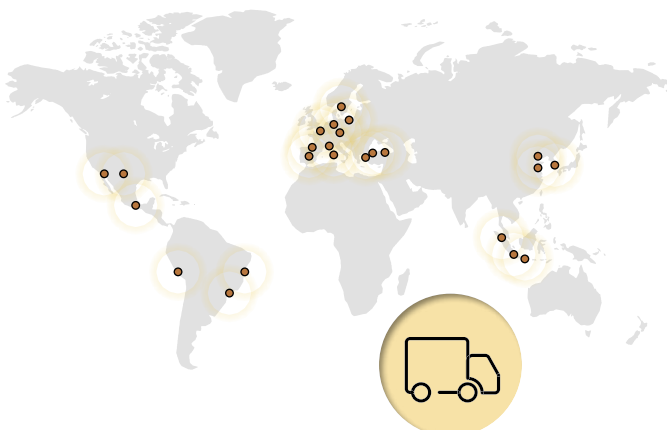
Bentonite clay desiccant is easy to handle during packaging process as it accepts moisture at a slower rate than silica gel at the higher relative humidity levels

Silica gel is best for packaging applications where target level humidity inside package is above 30%



Availability

Bentonite can be sourced from **mines globally**. **Clariant's bentonite mines and extensive global network allow for local distribution.**



Silica gel must be manufactured **synthetically**. Most production comes from China and needs to be shipped, entailing **high environmental costs**.

