

## Examination of the possibility of gel trapping using artificial-mineral Smecton

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Smecton SA which is a synthetic inorganic polymer with a saponite structure became hard gel by ion combination when it is mixed with water at the acid condition.

If the character of Smecton SA could be applied to CCS, the safety of CCS may improve by it.

Therefore, we verified in the experiment of reacting Smecton SA and water, carbon dioxide.

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