
Hvorfor anvende cirkulære stoffer i stedet for jomfruelige?

GEAR-projekt – konference 12. september 2019

Fordi man kan
spare penge!

Fordi man ikke
kan skaffe nye
råvarer!

Fordi det forurener
mindre!

- Owned by Aluminchem
- Started in 1991
- Production of aluminium based chemicals, magnesium nitrate and CMA/KFA
- Plant in Kalundborg
- Export 60%

- Management system
- ISO 9001 & ISO 14001
- Eco Label
- Green balance sheet since 1991
- Closed production system
- Recycle chemicals, process water and packaging
- Energy / CO₂ savings
- Strict raw material requirements i.e. heavy metals



Applications

Catalysts

Paper & pulp

De-icer

Water treatment

Particle pollution

Zeolite/Nano

Shotcrete accelerator

Tailor-made products



Aluminates are used for many applications

Nordisk Aluminat produces sodium and potassium aluminates in concentration and ratio as the customer demands



Water treatment



Poly aluminum chloride and aluminate for:

- ❖ binding of phosphor in lakes
- ❖ treatment of drinking water
- ❖ treatment of waste water

De-icing and dust control

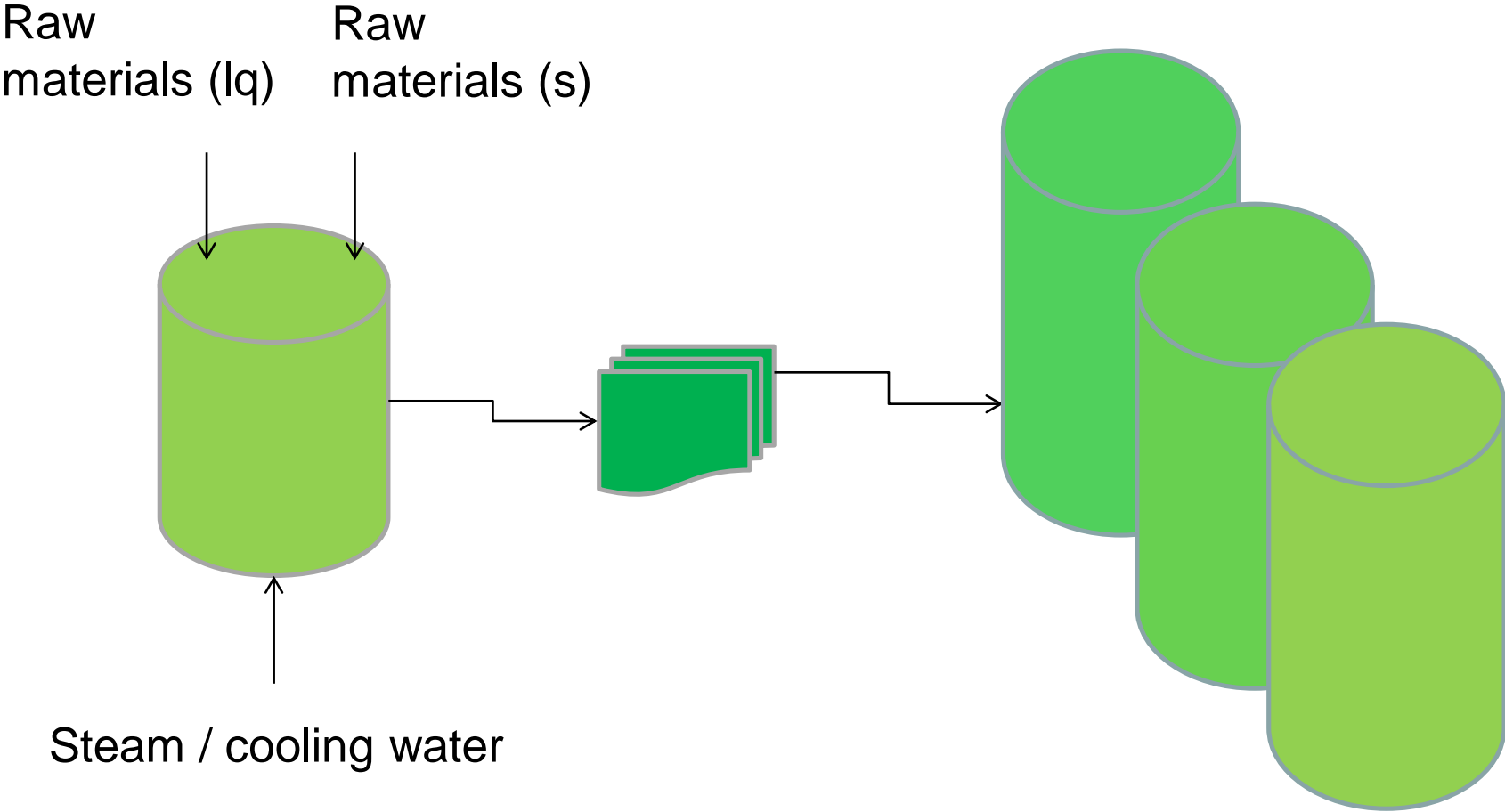


ICE & DUST-AWAY for:

- ❖ PM (dust control / suppression)
- ❖ De-icing



Production flow

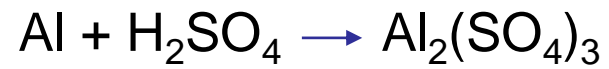
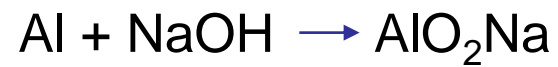


Products	"Alkaline" pH >12,5	"Acid" pH<2,0	CMA + KFA pH neutral
	<p>FNA FKA</p>	<p>PAC</p>	<p>ICE & DUST - AWAY</p>
<p>Raw mat</p>	<p>ALH Soda Water Stabilisers</p>	<p>ALH Hydrochloric acid Water</p>	<p>Calcium Magnesium Acetic acid Water</p>

From Bauxite to Aluminum



Aluminum products



New substance = REACH

De-icer



Key words

Profitable

Close cooperation – knowledge of content

Be aware

Changes from waste producer to raw material supplier

15. september 2019



ALUMICHEM