

## GU-55

### Granular Unstabilized Sodium Aluminate

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Granular Sodium Aluminate, a white powder that dissolves readily into water, is a dry form of sodium aluminate. The solution of sodium aluminate is obtained by mixing alumina tri-hydrate into sodium hydroxide. The solution is then made solid by removal of free moisture. GU-55 contains no stabilizing agents.

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#### Properties

Appearance: Amorphous powder  
Molecular Weight: 81.97  
Molecular Formula:  $\text{Al}_2\text{O}_3\text{-Na}_2\text{O}$

#### SAFETY / HANDLING

Observe caution when handling corrosive materials. Please consult the material safety data sheet (MSDS) for safety and handling precautions.

#### SPECIFICATIONS

%  $\text{Al}_2\text{O}_3$ : 53.0 – 55.0  
%  $\text{Na}_2\text{O}$ : 40.0 – 42.0  
Molar Ratio ( $\text{Na}_2\text{O} / \text{Al}_2\text{O}_3$ ): 1.20 – 1.30  
Iron: max 200 ppm  
Insoluble Material <1.00%

#### DELIVERY

55 pound sealed bags.

#### PRODUCTION

USALCO® has production facilities in:

- Ashtabula, Ohio

#### PRINCIPAL USES

Concrete and cement admixtures

Pigments and plastics

Drilling muds

#### CUSTOMER SERVICE

If you have any questions concerning this material, please contact our Inside Sales Department at:

**410-918-2230** or **info@usalco.com**