USALCO 38
Sodium Aluminate Solution, 38% Solids

USALCO 38 is an economical source of highly reactive alumina manufactured by dissolving alumina tri-hydrate (ATH) into sodium hydroxide and water. USALCO 38 is also stabilized to prevent alumina from precipitating. The use of only stringently selected raw materials and state-of-the-art manufacturing practices ensure that USALCO 38 is of the highest quality. USALCO 38 meets the specifications of the American Water Works Association Standard B405-00 and complies with the requirements of NSF/ANSI Standard 60: Drinking Water Treatment Chemicals – Health Effects at a maximum dosage of 105 mg/L.

**PROPERTIES**

- Chemical Formula: $\text{Na}_2\text{Al}_2\text{O}_4$
- Appearance: Amber Liquid
- Specific Gravity @60°F: 1.461 – 1.491
- Product Weight: 12.18 – 12.43 Lbs/US Gallon
- pH (neat): 14
- pH (1% solution): > 11.5
- Viscosity (cps): 155 @ 25°C
  80 @ 45°C

**SPECIFICATIONS**

- % $\text{Al}_2\text{O}_3$: 19.5 – 20.5
- % $\text{Na}_2\text{O}$: 17.9 – 19.1
- % $\text{Na}_2\text{Al}_2\text{O}_4$: 31.4 – 33.0
- Molar Ratio ($\text{Na}_2\text{O} / \text{Al}_2\text{O}_3$): 1.48 – 1.54
- Iron: 200 ppm, max
- Silica: 225 ppm, max

**SAFETY / HANDLING**

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

**DELIVERY**

55-gallon drums, 330-gallon totes, bulk tank trucks and railcars

Sodium aluminate, solution, 8, UN1819, PG II

**PRODUCTION**

USALCO has production facilities in:

- Ashtabula, Ohio
- Fairfield, Ohio
- Michigan City, Indiana

**CUSTOMER SERVICE**

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

410-918-2230 or info@usalco.com