USALCO® 45
Sodium Aluminate Solution, 45% Solids

USALCO 45 is an economical source of highly reactive alumina manufactured by dissolving alumina tri-hydrate (ATH) into sodium hydroxide and water. USALCO 45 is also stabilized to prevent alumina from precipitating. The use of only stringently selected raw materials and state-of-the-art manufacturing practices ensures that USALCO 45 is of the highest quality. USALCO 45 meets the specifications of the American Water Works Association Standard B405-16 and complies with the requirements of NSF/ANSI 60: Drinking Water Treatment Chemicals - Health Effects at a maximum dosage of 89 mg/L.

**PROPERTIES**
- Chemical Formula: Na₂Al₂O₄
- Appearance: Amber Liquid
- Specific Gravity @60°F: 1.54 - 1.57
- Product Weight:: 12.82 - 13.07 Lbs/Gal
- pH (neat): 14
- pH (1% solution): >11.5
- Viscosity (cps): 110 @43C
  250@32C
  700@ 21C
  1,500@ 13C

**SPECIFICATIONS**
- % Al₂O₃: 24.6 - 25.4
- % Na₂O: 18.8 - 19.8
- % Na₂Al₂O₄: 39.6 - 40.8
- Molar Ratio (Na₂O / Al₂O₃): 1.25 - 1.29
- Iron (Fe): 200 ppm, max
- Silica: 200 ppm, max

**SAFETY / HANDLING**
Observe caution when handling corrosive materials. Please consult the safety data sheet (SDS) for safety and handling precautions.

**DELIVERY**
275 gallon IBCs (totes), tank trucks and railcars

**PRODUCTION**
USALCO has production facilities in:
- Baltimore, Maryland
- Fairfield, Ohio
- Michigan City, Indiana
- Ashtabula, Ohio
- Port Allen, Louisiana

**CUSTOMER SERVICE**
If you have any questions concerning this material, please contact our Inside Sales Department at:
410-918-2230 or info@usalco.com

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