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 ensures that USALCO 38 is of the highest quality. USALCO 38 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 105 mg/L.

**PROPERTIES**
- **Chemical Formula:** Na₂Al₂O₄
- **Appearance:** Amber Liquid
- **Specific Gravity @60°F:** 1.46 - 1.49
- **Product Weight:** 12.18 - 12.43 Lbs./Gal
- **pH (neat):** 14
- **pH (1% solution):** >11.5
- **Viscosity (cps):** 155 @25°C
  - 80@45°C

**SPECIFICATIONS**
- **% Al₂O₃:** 19.5 - 20.5
- **% Na₂O:** 17.9 - 19.1
- **% Na₂Al₂O₄:** 31.4 - 33.0
- **Molar Ratio (Na₂O / Al₂O₃):** 1.48 - 1.54
- **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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