USALCO Alum
Iron Free Aluminum Sulfate Solution

USALCO Alum is an aqueous solution manufactured by dissolving alumina tri-hydrate (ATH) into water and sulfuric acid. The use of only stringently selected raw materials and state-of-the-art manufacturing practices ensures that USALCO Alum is of the highest quality. USALCO Alum meets the specifications of the American Water Works Association Standard B403-09 and complies with the requirements of NSF/ANSI Standard 60: Drinking Water Treatment Chemicals – Health Effects at a maximum dosage of 150 mg/L.

**PROPERTIES**

- **Chemical Formula:** $\text{Al}_2(\text{SO}_4)_3\cdot14\text{H}_2\text{O}$
- **Appearance:** Clear to amber or light green liquid.
- **Specific Gravity @60°F:** 1.32 – 1.34
- **Baume @60°F:** 35.15 – 36.80
- **Product Weight:** 11.0 – 11.2 Lbs/Gal
- **pH (neat):** 1.8 – 2.4
- **Freezing Point:** 3 – 25°F (16 - 4°C)

**SPECIFICATIONS**

- **% Al₂O₃:** 8.0 – 8.4
- **% Basicity:** 0 – 0.4
- **Total Soluble Iron (Fe₂O₃):** 50 ppm, max
- **Dry 17% Alum:** 48.2%

*Meets AWWA Standard for Aluminum Sulfate.

**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

Environmentally hazardous substance, liquid, n.o.s., 9, UN3082, PGIII.

**PRODUCTION**

USALCO has production facilities in:

- Fairfield, Ohio
- Michigan City, Indiana
- Port Allen, LA

**CUSTOMER SERVICE**

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

410-918-2230 or info@usalco.com