



# Technical Data Sheet

## USALCO® Acid Alum Aluminum Sulfate Solution, 7% Free Acid

USALCO Acid 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 Acid Alum is of the highest quality. USALCO Acid Alum meets the specifications of the American Water Works Association Standard B403-16 and complies with the requirements of NSF/ANSI 60: Drinking Water Treatment Chemicals -Health Effects at a maximum dosage of 150 mg/L.

### PROPERTIES

Appearance:	Clear to amber or light green liquid.
Specific Gravity @60°F:	1.28 - 1.30
Product Weight:	10.65 - 10.85 Lbs/Gal
pH (neat):	0.2 - 1.0
Freezing Point	0° - 10°F

### SPECIFICATIONS

% Al <sub>2</sub> O <sub>3</sub> :	5.8 - 6.2
%Acidity	6.8 - 8.0
Iron (Fe)	50 ppm max

### PRINCIPAL USES

Drinking water / wastewater treatment – removal of suspended matter and phosphorus.

Wastewater treatment – coagulant / flocculent for the removal of suspended matter and phosphorus.

Pulp and paper manufacturing – retention and drainage aid, charge neutralization, pH control, improved sizing efficiency.

Catalyst manufacturing

Food industry – firming agent in pickle processing

### SAFETY / HANDLING

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

### DELIVERY

Tank trucks and railcars.

### PRODUCTION

USALCO has production facilities in:

- Baltimore, Maryland
- Fairfield Ohio
- Michigan City, Indiana
- Gahanna, 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**