



Technical Data Sheet

Aluminum Sulfate Solution

USALCO® Aluminum Sulfate 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 Aluminum Sulfate is of the highest quality. USALCO 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:	1.32 - 1.34
Product Weight:	11.0 - 11.2 Lbs/Gal
pH (neat):	2.0 - 2.4
Freezing Point	3° - 25°F

SPECIFICATIONS

% Al ₂ O ₃ :	8.0 - 8.4
% Basicity	0 - 0.4
Total Soluble Iron (Fe ₂ O ₃)	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**