



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/CAN 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 at 60 °F:	1.31 – 1.34
Product weight:	10.2 – 11.0 Lbs/Gal
pH (Neat):	1.5 – 2.8
Freezing point:	3° - 25°F

SPECIFICATIONS

% Al ₂ O ₃ :	> 8.0
% Water-Insoluble matter:	< 0.2
%Fe ₂ O ₃ :	< 0.35

PRINCIPAL USES

Drinking water – removal of suspended matter.
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.
Food industry – firming agent in pickle processing.
Catalyst Manufacturing - Sulfur Recovery Catalyst, Dessicants Purification, Hydrotreating (HDT), Hydrocracking (HCK), Fluid Catalytic Cracking (FCC), Reforming (REF), Isomerization (ISOM)

SAFETY / HANDLING

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

DELIVERY

Tank trucks and Railcar

PRODUCTION

USALCO has production facilities in:

- Baltimore, Maryland
- Cambridge, Maryland
- Gahanna, Ohio
- Ashtabula, Ohio
- Michigan City, Indiana
- Chattanooga, Tennessee
- Counce, Tennessee
- Plymouth, N. Carolina
- DeRidder, Louisiana
- Bastrop, Louisiana
- Naheola, Alabama
- Coosa Pines, Alabama
- Demopolis, Alabama
- Fairfield, Ohio
- Georgetown, S. Carolina
- Monticello, Mississippi
- Port Allen, Louisiana
- Savannah, Georgia

CUSTOMER SERVICE

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

800-282-5322 or **info@usalco.com**