

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:	$\text{Al}_2(\text{SO}_4)_3 \cdot 14\text{H}_2\text{O}$
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

% Al_2O_3 :	8.0 – 8.4
% Basicity:	0 – 0.4
Total Soluble Iron (Fe_2O_3):	50 ppm, max
Dry 17% Alum:	48.2%

*Meets AWWA Standard for Aluminum Sulfate.

PRINCIPAL USES

Drinking water treatment – coagulant / flocculent for the 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

Catalyst manufacturing

Food industry - firming agent in pickle processing

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**