

Technical Data Sheet

USALCO® 45

Sodium Aluminate Solution, 45% Solids

USALCO 45 is an economical source of highly reactive alumina manufactured by dissolving alumina tri-hydrate (ATH) into sodium hydroxide and water. USALCO 45 is also stabilized to prevent alumina from precipitating. The use of only stringently selected raw materials and state-of-the-art manufacturing practices ensure that USALCO 45 is of the highest quality. USALCO 45 meets the specifications of the AWWA Standard B405-16 and complies with the requirements of NSF/ANSI/CAN 60: Drinking Water Treatment Chemicals -Health Effects at a maximum dosage of 89 mg/L.

PROPERTIES

Chemical Formula:

Appearance: $Na_2Al_2O_4$ Specific Gravity @60°F: Amber Liquid Product Weight:: 1.54 - 1.57

pH (neat): 12.82 - 13.07 Lbs/Gal

pH (1% solution): 14
Viscosity (cps): 11.5

110 @43C 250@32C 700@ 21C

SPECIFICATIONS 1,500@ 13C

% Al₂O₃:

PRINCIPAL USES

Drinking water / wastewater treatment – removal of suspended and dissolved matter such as organics and phosphorus. Catalyst, zeolite, molecular sieve manufacturing. Coating for titanium dioxide pigments. Pulp and paper manufacturing – pitch control and sizing agent. 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 corrosive materials. Please consult the safety data sheet (SDS) for safety and handling precautions.

DELIVERY

275 gallon IBCs (totes), tank trucks and railcars

PRODUCTION

USALCO has production facilities in:

- Baltimore, Maryland
- Savannah, Georgia
- Ashtabula, Ohio
- Fairfield, Ohio
- Michigan City, Indiana
- Lake Charles, Louisiana

CUSTOMER SERVICE

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

800-282-5322 or info@usalco.com

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