

# Sodium Aluminate 45%



Sodium Aluminate Solution (45%) is an economical source of highly reactive alumina manufactured by dissolving alumina trihydrate (ATH) into sodium hydroxide and water. It 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 it is of the highest quality. It meets the specifications of the AWWA Standard B405-24 and complies with the requirements of NSF/ANSI/CAN 60: Drinking Water Treatment Chemicals.

Specification	Value
ALUMINA PERCENT $AL_2O_3$	24.6 - 25.4
SODIUM OXIDE PERCENT $Na_2O$	18.8 - 19.8
PERCENT $Na_2Al_2O_4$	39.6 - 40.8
MOLAR RATIO ( $Na_2O / AL_2O_3$ )	1.25 - 1.29
IRON	200 PPM, MAX
SILICA	200 PPM, MAX

Properties	Value
CHEMICAL FORMULA	$Na_2Al_2O_4$
APPEARANCE	AMBER LIQUID
SPECIFIC GRAVITY AT 60°F	1.535 - 1.565
PRODUCT WEIGHT	12.93 LBS. PER GALLON
PH (NEAT)	14
VISCOSITY (CPS) AT 43 C	110 CP
VISCOSITY (CPS) AT 32 C	250 CP
VISCOSITY (CPS) AT 21 C	700 CP
VISCOSITY (CPS) AT 13 C	1,500 CP

Delivery Options <sup>1</sup>	Pounds	Gallons
RAIL	180,000	13,924
TANK TRUCK <sup>2</sup>	45,000	4,183
IBC TOTE	3,525	328
DRUM	705	66

<sup>1</sup> Not all options are available at each production location

<sup>2</sup> Tank Truck capacities can vary depending on configuration

## Principal uses

- Drinking water / wastewater treatment
- Catalyst
- Coating for titanium dioxide pigments.
- Pulp and paper manufacturing
- Catalyst Manufacturing

## Safety/Handling

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

The information presented herein is believed to be accurate and reliable but is given without guarantee or warranty, expressed or implied. The user should not assume that all safety measures are indicated or that other measures may not be required. The user is responsible for assuring that the product and equipment are used in a safe manner that complies with all appropriate legal standards and regulations.

# About Usalco

Water powers life. At Usalco, that means we believe only the best will do — cleaner water, smarter systems, and sustainable outcomes. Equipped with the best in water treatment solutions and innovations, Usalco goes farther and works harder to empower others, because when everything depends on water, you can depend on Usalco.

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Headquartered in Baltimore, Maryland, Usalco has 29 manufacturing plants and industry-leading technical resources across North America. That means high-quality products, best-in-class service, and industry-leading technologies from coast to coast

