



SODIUM ALUMINATE

Sodium Aluminate 38%



Sodium Aluminate Solution (38%) 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 ensures 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 - Health Effects at a maximum dosage of 105 mg/L.

Specification	Value
PERCENT Al_2O_3	19.5 - 20.5
PERCENT Na_2O	17.9 - 19.1
PERCENT $Na_2Al_2O_4$	31.4 - 33.0
MOLAR RATIO (Na_2O / Al_2O_3)	1.48 - 1.54
IRON	200 PPM, MAX
SILICA	200 PPM, MAX

Properties	Value
CHEMICAL FORMULA	$Na_2Al_2O_4$
APPEARANCE	AMBER LIQUID
SPECIFIC GRAVITY AT 60°F	1.46 - 1.49
PRODUCT WEIGHT	12.3 LBS. PER GALLON
PH (1% SOLUTION)	> 11.5
VISCOSITY (CPS) AT 25 C	155 CP

Delivery Options ¹	Pounds	Gallons
RAIL	180,000	14,885
TANK TRUCK ²	45,000	3,721
IBC TOTE	3,300	273
DRUM	670	55

¹ Not all options are available at each production location

² Tank Truck capacities can vary depending on configuration

Principal uses

- Drinking water / wastewater treatment – removal of suspended matter and phosphorus.
- Catalyst, zeolite, molecular sieve manufacturing.
- Coating for titanium dioxide pigments.
- Pulp and paper manufacturing – pitch control and sizing agent.

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.



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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

