

Soda Ash

Specialty Chemical

Description	Soda Ash is a white, granular powder primarily used to condition and soften make-up water and raise pH		
Applications/Functions	Treat out hardness due to calcium in make-up water Raise pH		
Advantages	Can eliminate calcium ions by removing them as insoluble calcium carbonate Can maximize the performance of bentonite and polymer product		
Typical Properties	 Appearance Variable-colored powder (gray to tan) pH of 5% solution 11.5 Bulk density, lb/ft³ 57-65 		
Recommended Treatment	Hardness and pH levels of make-up water should be checked prior to addition of Soda Ash.		
	Addition of Soda Ash should always be done prior to addition of bentonite or polymer to the fluid system.		
	• Soda Ash should not be added at the same time as other drilling fluid components.		
	 When treating make-up water pH ranges should be maintained between 8.5 – 9.5 		
	General Treatment:		
	 1-2 pounds per 100 gallons of make-up water or 1.2-2.4 kilograms per cubic meter of make-up water. 		
	 Use as required to remove calcium ions but do not add in excess as overtreatment can lead to detrimental effects and reduced performance of the drilling fluid components and/or system. 		
	 Mix slowly through a jet mixer or sift slowly into the vortex of a high- speed stirrer. 		

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Packaging	Soda Ash is packaged in 50-lb (22.7 kg) or 100-lb (45.4 kg) multiwall paper bags.			
Availability	Soda Ash can be purchased through any Baroid Industrial Drilling Products Retailer. To locate the Baroid IDP retailer nearest you contact the Customer Service Department in Houston or your area IDP Sales Representative.			
Baroid Industrial Drilling Products Product Service Line, Halliburton 3000 N. Sam Houston Pkwy. E. Houston, TX 77032				
	Customer Service	(800) 735-6075 Toll Free	(281) 871-4612	
	Technical Service	(877) 379-7412 Toll Free	(281) 871-4613	