

Technical data

# Sesqui™ Sodium Sesquicarbonate

CAS No. 553-96-0

**Formula**  $\text{Na}_2\text{CO}_3 \cdot \text{NaHCO}_3 \cdot 2\text{H}_2\text{O}$

**Molecular Weight** 226.03

## Physical Properties

	Typical	Range
Bulk Density: lb/ft <sup>3</sup> g/cm <sup>3</sup>	47 0.75	42 - 54 0.67 - 0.86
Screen analysis, cumulative wt %		
On US 20 (850 μm)	0.1	0 - 1
US 70 (212 μm)	60	25 - 75
US 100 (150 μm)	85	60 - 95
US 200 (75 μm)	97	90 - 100

## Chemical Properties

	Typical	Specification
Na <sub>2</sub> O, wt %	41.8	41.0 - 42.9
Sodium (Na) content, wt %	31.0	30.4 - 31.8
Total Alkalinity as Na <sub>2</sub> CO <sub>3</sub> , wt %	71.5	69.0 - 72.0
Na <sub>2</sub> SO <sub>4</sub> , wt %	0.01	0.05 max
NaCl, wt %	0.01	0.05 max
Fe <sub>2</sub> O <sub>3</sub> , ppm	3	10 max
Arsenic, ppm		3 max
Heavy metals as Pb, ppm		10 max

## General Properties

Description	White needle-like crystals
Flowability	Free-flowing and non-caking
pH, 1% solution @ 25°C	9.9

## Standard Containers

50 lb (22.7 kg) bags  
One ton super sacks  
Bulk hopper cars and trucks

## Uses

Bath salt ingredient, water softener, swim pool and spa buffering, laundry detergent additive, industrial cleaner ingredient, hard surface cleaner ingredient, diaper rinse ingredient, abrasive blast medium, flue gas desulfurization, municipal and industrial waste water treatment.

The information contained herein is, to our knowledge, true and accurate. Because conditions of use are beyond our control, we make no warranty or representation, expressed or implied, except that the products discussed herein conform to the chemical descriptions shown on their labels. Nothing contained herein should be construed as permission or recommendation to infringe any patent. No agent, representative, or employee of this company is authorized to vary any of the terms of this notice.