

## Technical data

# Sesqui<sup>®</sup> Sodium Sesquicarbonate

CAS No. 533-96-0

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**Formula** Na<sub>2</sub>CO<sub>3</sub> • NaHCO<sub>3</sub> • 2H<sub>2</sub>O


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**Molecular Weight** 226.03


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**Physical Properties**

	Typical	Typical Range
Bulk Density: lb/ft <sup>3</sup>	47	42 - 54
g/cm <sup>3</sup>	0.75	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

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**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

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**General Properties**

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

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**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.

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