

Technical data

Sesqui[®] Sodium Sesquicarbonate

CAS No. 533-96-0

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	Typical Range
Bulk Density: lb/ft ³	47	42 - 54
g/cm ³	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

Chemical Properties

	Typical	Specification
Na ₂ O, wt %	41.8	41.0 – 42.9
Sodium (Na) content, wt %	31.0	30.4 – 31.8
Total Alkalinity as Na ₂ CO ₃ , wt %	71.5	69.0 – 72.0
Na ₂ SO ₄ , wt %	0.01	0.05 max
NaCl, wt %	0.01	0.05 max
Fe ₂ O ₃ , 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.

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