



SESQUI™



## OUR UNIQUE, BRIGHT ALKALI

Sesqui™ sodium sesquicarbonate is produced as brilliant white translucent crystals. Sesqui™ is a unique brand of alkali that is perfect for use in manufacturing a variety of household products and industrial applications such as bath salts, laundry detergents, mild industrial and specialty cleaners, swimming pool pH buffer, and water softeners.

Chemically speaking, Sesqui™ is a distinct alkali product built by linking one part of bicarb (for alkalinity control) with one part of soda ash (to increase pH) creating unique free-flowing and dust-free characteristics as well as excellent buffering capacity, complete and rapid dissolving properties in water, superior water softening capabilities, mild yet effective alkali cleaning properties, and a silky smooth feel.

Sesqui™ is a single crystalline material, not a mix or blend. That means it is uniform, easy to handle and pour, and won't separate during use. Sesqui™ is already hydrated, so it dissolves easily and it absorbs little or no moisture or carbon dioxide and will therefore remain free flowing and non-caking.

### Benefits

- A single particle size that maintains uniformity and eliminates the possibility of separation.
- Free-flowing, dustless crystals with average pH of 9.9.
- An appealing luster that mixtures of soda ash and sodium bicarbonate cannot match.
- No formation of decahydrate and/or monohydrate when Sesqui™ is combined with water.
- Organic Materials Review Institute (OMRI) Listed.
- Featured on U.S. EPA Safer Chemical Ingredient List.
- Acceptable ingredient under the EPA's Design for the Environment Program.

# TRONOX

## SESQUI™

<b>Formula</b>	Na <sub>2</sub> CO <sub>3</sub> • NaHCO <sub>3</sub> • 2H <sub>2</sub> O	
<b>Molecular Weight</b>	226.03	
<b>Physical Properties</b>	<b>Typical</b>	
	<b>Sesqui™</b>	<b>Coarse Sesqui™</b>
Bulk Density: lb/ft <sup>3</sup>	47	65
g/cm <sup>3</sup>	0.75	1.04
<b>Screen analysis, cumulative wt %</b>		
On US 20 (850 μm)	0.1	0.1
US 70 (212 μm)	60	62
US 100 (150 μm)	85	86
US 200 (75 μm)	97	97
<b>Chemical Properties</b>	<b>Typical</b>	
Na <sub>2</sub> O, wt %	41.8	41.8
Sodium (Na) content, wt %	31.0	31.0
Total Alkalinity as Na <sub>2</sub> CO <sub>3</sub> , wt %	71.5	1.5
Na <sub>2</sub> SO <sub>4</sub> , wt %	0.01	
NaCl, wt %	0.01	
Fe <sub>2</sub> O <sub>3</sub> , ppm	3	
<b>General Properties</b>		
Description	White needle-like crystals	
Flowability	Free-flowing and non-caking	
pH, 1% solution @ 25°C	9.9	
<b>Packaging and Delivery Options</b>		
50lb bags • IBC's • Bulk; coarse Sesqui™ IBC's		
<b>Uses</b>		
Bath salts	Abrasive blasting	
Water softener	Municipal waste water treatment	
Hard surface cleaner	Industrial waste water treatment	
Household, industrial and institutional cleaner (HI&I)	Swimming pool and spa buffer	
Laundry detergent buffer	Diaper rinse ingredient	



Responsible Care®

### Certifications

ISO 9001, AWWA, Kosher, NSF

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