

Technical Data

# FMC Grade 260 Soda Ash

CAS No. 497-19-8

<b>Chemical Name</b>	Sodium Carbonate, anhydrous
<b>CAS Name</b>	Disodium carbonate
<b>Formula</b>	Na <sub>2</sub> CO <sub>3</sub>
<b>Molecular Weight</b>	105.99

## Physical Properties

	Typical	Specification
Bulk Density: lb/ft <sup>3</sup>	65	60 - 70
g/cm <sup>3</sup>	1.06	0.96 - 1.12
Particle density, g/cm <sup>3</sup>	1.960	
Particle shape	Blocky	
Angle of repose, deg	40	
Screen analysis, cumulative wt %		
On US 30 (600 μm)	1.0	
US 40 (425 μm)	15	27 max
US 100 (150 μm)	85	
Thru US 200 (75 μm)	2	7 max

## Chemical Properties

	Typical	Specification
Na <sub>2</sub> O, wt %	58.4	58.0 min
Na <sub>2</sub> CO <sub>3</sub> , wt %	99.8	99.2 min
Na <sub>2</sub> SO <sub>4</sub> , wt %	0.05	0.20 max
NaCl, wt %	0.06	0.20 max
Fe <sub>2</sub> O <sub>3</sub> , ppm	4	20 max
Water insolubles, wt %	0.01	0.05 max
Ignition loss, wt %	0.1	
Heavy metals (as Pb), ppm	<10	10 max
As, ppm	0.1	3 max
Ca, ppm	60	
Mg, ppm	15	
SiO <sub>2</sub> , ppm	100	

## General Properties

Description	white granular solid
Melting point, °C (°F)	851 (1564)
Solubility, max % @ 35.4°C	33.2
pH, 1% solution @ 25°C	11.4

## Standard Containers

Bulk hopper cars and trucks

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.