

Technical Data

Tronox Grade 50 Soda Ash

CAS No. 497-19-8

Chemical Name Sodium Carbonate, anhydrous

CAS Name Disodium carbonate

Formula Na₂CO₃

Molecular Weight 105.99

Physical Properties

| | Typical | Specification |
|----------------------------------|---------|---------------|
| Bulk Density: lb/ft ³ | 50 | 47 - 57 |
| Screen analysis, cumulative wt % | | |
| On US 100 (150 μm) | 0 - 20 | |
| US 200 (75 μm) | 25 - 75 | |
| US 325 (45 μm) | 50 - 95 | |

Chemical Properties

| | Typical | Specification |
|--|---------|---------------|
| Na ₂ O, wt % | 58.3 | 58.0 min |
| Na ₂ CO ₃ , wt % | 99.6 | 99.2 min |
| Na ₂ SO ₄ , wt % | 0.08 | 0.20 max |
| NaCl, wt % | 0.06 | 0.20 max |
| Fe ₂ O ₃ , ppm | 12 | 20 max |
| Water insolubles, wt % | 0.00 | 0.05 max |
| Heavy metals (as Pb), ppm | <10 | |

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

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