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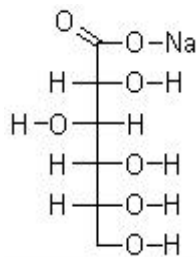
Site: www.tnjchem.com

## Technical Data Sheet

### Sodium Gluconate

#### Product Information

Chemical Name	Sodium Gluconate
CAS #	527-07-1
Formula	C <sub>6</sub> H <sub>11</sub> NaO <sub>7</sub>
Molecular Weight	218.14
Synonyms	Gluconic Acid Sodium; Sodium gluconate;D-Gluconic acid monosodium salt
Chemical Structure	



#### Description

Sodium gluconate composed with many hydroxyl named five hydroxyl sodium acid. It is white or brown yellow crystalline powder or granule, easy dissolved water, just slowly solidify it be widely used in construction, wash, food and medicine industry. Along with strong the country construction and high quality, the new development of washing industry.

#### Physical Properties

Melting point, °C . 206-209

## Specification

Item	Standard		
	Industrial Grade	Food Grade	Refining Grade
Identifications	Meet the requirements	Meet the requirements	Meet the requirements
Assay, %	≥ 98.0	98.0 ~ 102.0	99.0 ~ 102.0
Drying Loss, %	≤ 0.50	≤ 0.30	≤ 0.30
Heavy Metal, µg/g	≤ 10	≤ 10	≤ 10
Sulphate, %	≤ 0.05	≤ 0.05	≤ 0.05
Chloride, %	≤ 0.07	≤ 0.07	≤ 0.07
Reduzate, %	≤ 0.70	≤ 0.50	≤ 0.50
Lead, µg/g	≤ 2	≤ 1	≤ 1
Solubility(1.0g , 10ml water)		Colorless, almost clear	Colorless, almost clear
PH	6.2 ~ 7.8	6.2 ~ 7.8	6.2 ~ 7.8
Arsenic salt,µg/g	≤ 2	≤ 2	≤ 2

## Safety

Always refer to the Material Safety Data Sheet (MSDS)

## Applications

- 1. Chelate for cement:** fixed amount of sodium gluconate in cement, then make the concrete strong and random. It can be delay the first time and the last time for solidity.
- 2. For Medicine Industry:** adjust the body acid-base balance to restore the normal nerve. For the same purpose apply to food additives
- 3. Cleaning Agent for Steel Surface:** the steel surface must be exacting cleaning before plate Bo, Cr, Sn, Ni, then it can be integrated well. Now the sodium gluconate play a very important effect.
- 4. Special Cleaning Agent for Glass Bottle:** main ingredient is sodium gluconate, this cleaning agent can improve those problems: can't remove dirt directly. Block the nozzle and the pipeline. Residue after washing is not ideal edible security, after wash water caused public nuisance.
- 5. For panting and film industry**
- 6. For Food Industry:** produce additive prevent low sodium

## Packaging

25kg per bag. 24mt per 20ft container

## Storage & Handling

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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