

# TECHNICAL DATA SHEET

## JF SODIUM GLUCONATE

### 1. PRODUCT NAME:

JF SODIUM GLUCONATE (Industrial Grade SG-C)

(Synonyms: Gluconic Acid Sodium Salt)

JF SODIUM GLUCONATE is the sodium salt of gluconic acid, produced by fermentation of glucose.

It is a white to tan, granular to fine, crystalline powder, very soluble in water. It is non-corrosive, non-toxic and resistant to oxidation and reduction, even at high temperatures.

### 2. TYPICAL PROPERTIES:

ITEMS	SPECIFICATIONS
Appearance	White crystalline powder
Solid content	≥98.0%
Chloride	≤0.07%
Arsenic salt	≤3ppm
Lead salt	≤10ppm
Heavy metals	≤20ppm
Loss on drying	≤1.5%

### 3. MAIN PERFORMANCES:

✘ In construction, it is a highly efficient set retarder and a good plasticiser-extender/ water reducer for concrete, mortar and gypsum.

✘ It additionally has excellent chelating power, especially in alkaline and concentrated alkaline solutions. It forms stable chelates with calcium, iron, copper, aluminium and other heavy metals and related compounds. It also has properties which inhibit bitterness in foodstuffs.

✘ Because sodium gluconate has excellent effects of corrosion and scale proof, it is widely used as water quality stabilizer, such as the treatment chemicals in the cooling cycle system in petrochemical field, low pressure boiler and engine cooling water system.

※Steel surface and glass bottle cleaning agent.

#### **4. SAFETY AND HANDLING PRECAUTIONS:**

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.

Avoid contact with skin and eyes. Avoid ingestion and inhalation.

#### **5. PACKING, STORAGE & TRANSPORTATION:**

Package: Can be supplied in 25kg / 500kg / 1000kg bags. It can also be supplied in customer's required packing size with mutual discussion and agreements.

Storage: Is recommended to store at ambient temperature in closed condition and to be protected from direct sunlight and rain.

Transportation: Non-toxic, harmless, non-inflammable and non-explosive chemicals  
it can be transported in truck and train.

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