

Construction admixture

Technical Data Sheet



SIDLEYCHEM®

SIDLEY CHEMICAL CO.,LTD

Sodium Gluconate

Chemical Nature

Sodium gluconate, or sodium pentahydroxycaproate, is a white or light yellow crystalline powder, easily soluble in water, slightly soluble in alcohol, and insoluble in ether, which can be widely used in concrete as a retarder. Adding a certain amount of sodium gluconate to concrete can increase the retarding effect of concrete and delay the initial and final setting time of concrete.

Typical Properties

Appearance	White crystalline powder
Odor	Odorless
Sulfate (calculated by SO_4^{2-})	≤ 0.02
Chloride (calculated by Cl^-)	≤ 0.02
White degree%	> 75
Loss on drying%	≤ 0.40
Assay%	98.0 ~ 102.0
pH(10% solution)	6.2 ~ 7.8

Features of application

1. This product is non-toxic, non-flammable, and has no corrosion effect on steel bars;
2. It has a retarding effect and delays the initial and final setting time of concrete;
3. It can prevent cracks during summer construction and continuous pouring of concrete;
4. Convenient for construction and long-distance transportation.

Usage

Used in conjunction with a water-reducing agent, adjust the dosage after testing according to project requirements.

Packaging

25 kg / 55 lb paper bag

Storage

Store products with original packaging in a dry, clean environment and away from heat sources. This product is not easy to lose efficacy, but it is hydrophilic-based. If the storage environment is poor, it will slowly absorb moisture. It is recommended to follow the first-in-first-out principle when using it. The packaging must be tightly sealed to prevent moisture intrusion if not finished use.

safety

According to the legal provisions on dangerous goods and preparations, this product is non-hazardous. Avoid dust formation and accumulation. Scattered effects should be swept up while keeping them dry. Touching with water will cause a risk of slipping. Contact us for further information.

General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

Important

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