

TECHNICAL DATA SHEET

SODIUM GLUCONATE

PRODUCT DESCRIPTION

Sodium gluconate also called as sodium salt of gluconic acid is produce by fermentation of glucose. The appearance is white crystalline powder, and it is very soluble in water. Non-toxic, non -corrosive, non-flammable material and readily biodegradable. Improve concrete breaking strength.

Sodium Gluconate have chelating property. Sodium gluconate chelates and forms stable complexes with various ions, preventing them from engaging in chemical reactions

PROPERTIES

High workability and smoothness of the material.

Delay initial and final setting time without affecting the strength of concrete

Avoid cement initial hydration and retard setting time of cement.

Improve concrete durability performance, no segregation, no water bleeding.

Working as best chelating agent.

APPLICATION

Sodium gluconate is used as concrete retarder in the construction industries. When adding a certain amount sodium gluconate power to cement resulting in increased cement workability and strength.

TECHNICAL INFORMATION

TEST	RESULTS
Appearance	White crystalline powder
Purity	98%
pH	6-7
Odor	Odorless
Solubility	Soluble in water

ADVANTAGES

Improve workability and the strength of concrete
Biodegradable and ecofriendly.
Non corrosive to steel bar.

DOSAGES

100- 200 g required to the total weight of the material.

STORAGE

Product should be stored in tightly packed container and it should be placed in dry place away from direct sunlight in sealed, original packaging.

SHELF LIFE

Storage time should not exceed 12 months from receipt of delivery.

PACKING

SODIUM GLUCONATE is available in 25 kg bags.

