



# TECHNICAL DATA SHEET

## Gypsum

### Product Information

Product Name	Gypsum
Chemical Name	Calcium Sulfate Dihydrate
CAS Number	10101-41-4
HSC No.	2520
Chemical Formula	CaSO4.2H2O
Molecular Weight	172.17 g/mol

### Description

Gypsum is a soft sulfate mineral composed of calcium sulfate dihydrate. It is widely used as a fertilizer, in construction materials (plaster, drywall), and in various industrial applications. It occurs naturally and can also be produced as a by-product of industrial processes.

### Physical Properties

Appearance	White to off-white fine powder
Odor	Odorless
Specific Gravity	2.32
Melting Point	150 deg C (loses water of crystallization)
Hardness (Mohs)	1.5 - 2
pH (saturated solution)	6.0 - 7.5
Solubility in Water	2.0-2.5 g/L at 20 deg C

### Chemical Composition

CaSO4.2H2O	>= 95%
CaO	32.5%
SO3	46.5%
Combined Water	20.9%
Cl	<= 0.01%
SiO2	<= 1.0%
Fe2O3	<= 0.1%



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## Applications

- Construction: plaster, drywall, cement additive
- Agriculture: soil conditioner, fertilizer
- Industrial: pottery, ceramics, molds
- Food additive (E516)
- Dental and medical plasters

## Packaging

Available in 25 kg bags, 50 kg bags, 1000 kg big bags, or bulk supply.

## Storage

Store in dry, covered area. Protect from moisture and rain. Keep containers sealed when not in use.