



**KUNAL EXIM**

- **Product Name: Gypsum**
- **GYPSUM CAN BE DEFINE IN TWO WAYS:**

**(1) Raw Gypsum (2) Calcined Gypsum**

**Gypsum ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) is a naturally occurring mineral mined from deposits formed by ancient sea beds as a raw material, white when pure, but commonly grey, yellow, red or brown, owing to impurities. The anhydrous form ( $\text{CaSO}_4$ ), anhydrite, is common. We are enlisted amongst the top most Natural Gypsum Exporters from India.**

**Most gypsum is calcined and used in the manufacturing of plaster products. Wallboard and plaster requires gypsum contents greater than 85%, although producers prefer a minimum of 94–95% along with whiteness in color. The major consumers of the Gypsum at present are Cement Industry. By weight about 4% to 6% Gypsum in crushed condition is utilized in Portland Cement Manufacture after mixing with cement/clinker. Gypsum acts as a retarder and controls the setting time of cement.**

➤ **Applications:**

**Gypsum has many industrial applications in its raw or Calcined forms, especially in the building and construction industries. Uses of Raw Gypsum are principally as:**

- **A Retarder for Portland cement**
- **A Fertilizer or Soil Conditioner**
- **Mineral filler**
- **Gypsum works as an agent to remove saline or alkaline ingredients in the soil and acts more or less like manure.**

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- **Gypsum is used to manufacture Gypsum boards. In the cement industry, gypsum is used to manufacturing lime.**
- **Oxidizing agent in glass manufacture or other industrial applications.**

➤ **ANALYSIS OF GYPSUM:**

<b>Gypsum Components</b>	<b>Percentage (%)</b>
<b>CaSO<sub>4</sub>.2H<sub>2</sub>O</b>	<b>90.03</b>
<b>Combined Water</b>	<b>18.86</b>
<b>SiO<sub>2</sub></b>	<b>1.93</b>
<b>Al<sub>2</sub>OM<sub>3</sub></b>	<b>0.26</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>	<b>0.24</b>
<b>CaO</b>	<b>29.51</b>
<b>MgO</b>	<b>2.07</b>
<b>NaCl</b>	<b>0.04</b>
<b>So<sub>3</sub></b>	<b>41.08</b>
<b>Moisture Content</b>	<b>0.35</b>
<b>Size (0- 50 mm)</b>	<b>100</b>

- **Packaging:** Jumbo Bags (Loose and Packed in 25/50 KG Bag)
- **Country of Origin:** India
- **Preparation Information:** This PDS has been prepared by KUNAL EXIM on 1<sup>st</sup> December, 2017.

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