

## SPECIFICATION

### Calcium Sulphate Hemihydrate

| Parameters        | Specification                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------|
| CAS Number        | 10034-76-1                                                                                          |
| Appearance        | White, fine powder                                                                                  |
| Molecular Formula | (CaSO <sub>4</sub> ) <sub>2</sub> .H <sub>2</sub> O                                                 |
| Molecular Weight  | 145.15 g/mol                                                                                        |
| Boiling Point     | 160 °C                                                                                              |
| Melting Point     | 1560 °C                                                                                             |
| Flash Point       | 1000 °C                                                                                             |
| Purity            | 98–99%                                                                                              |
| Refractive Index  | 1.52                                                                                                |
| Solubility        | 0.2 g/100 mL at 20 °C                                                                               |
| Uses              | Plaster of Paris production; dental and orthopedic casts; molds; filler and binder in construction. |

+91-9227788155 | +91-9227788115 | +91-9227070667 | +91-260-6618618

info@triveniinterchem.com | info@trivenichemical.com

www.triveniinterchem.com | www.trivenichemical.com

135, Pancharatna, Char Rasta, G.I.D.C., Vapi-396195, Gujarat, India



www.chemicalbull.com

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