

## SPECIFICATION

### Magnesium Chloride Hexahydrate

| Parameters        | Specification                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------|
| CAS Number        | 7791-18-6                                                                                                  |
| Appearance        | Colorless or white crystals                                                                                |
| Molecular Formula | $\text{Cl}_2\text{Mg} \cdot 6\text{H}_2\text{O}$                                                           |
| Molecular Weight  | 203.30 g/mol                                                                                               |
| Boiling Point     | 140 °C                                                                                                     |
| Melting Point     | 118 °C                                                                                                     |
| Flash Point       | 1000 °C                                                                                                    |
| Purity            | 98–99%                                                                                                     |
| Refractive Index  | 1.441                                                                                                      |
| Solubility        | Soluble in water                                                                                           |
| Uses              | De-icing agent; source of magnesium; flux in metallurgy; drying agent; electrolyte in magnesium production |

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