

Magnesium Sulphate Monohydrate

Description: Magnesium Sulfate Monohydrate is an industrial chemical made up of the elements magnesium, sulfur, oxygen and hydrogen. It has the appearance of a white deliquescent crystalline solid. Odorless and soluble in water and very slightly soluble in methanol. Magnesium Sulfate Monohydrate is a moderately water and acid soluble Magnesium source for uses compatible with sulfates.

- | | |
|----------------------|--|
| 1. Chemical Name | Magnesium Sulphate (Sulfate) Monohydrate |
| 2. Other known names | Kieserite |
| 3. Chemical formula | MgSO ₄ .H ₂ O |
| 4. Molecular Weight | 138,38 |
| 5. CAS No. | 14168-73-1 |
| 6. Appearance | White Powder |
| 7. Density | 2,57 gr/cm ³ |
| 8. Melting Point | 150 - 200 °C |
| 9. Odor | odorless |
| 10. Color | White or almost white, crystalline powder or brilliant, colourless crystals. |
| 11. Storage | Keep cool and dry place |



SPECIFICATION TABLE

Parameters Parametreler	Unit Birim	TESTS	Unit Birim	Guaranteed Specifications
Purity	%	Purity	%	97% min
MgO	%	Water Soluble (MgO)	%	27,4% min. - 28,5% max.
Mg	%	Magnesium (Mg)	%	16,5% min. - 17,2% max.
Cl	%	Chlor	%	0,02% max
Cd	%	Cadmium	%	0,001% max.
Heavy Metals	%	Pb, As, Hg	%	0,0025% max.
pH	%	in a 10% solution	%	3.May
Size	%	Size	%	< 2mm
Appearance	%	Appearance	%	White Powder

- | | |
|---------------------|--|
| 13. Applications | Magnesium sulphate monohydrate is quite a raw material used in the industrial field and in the food industry, it has endurance-enhancing properties of nutritional supplements and canned. The main use of magnesium sulfate is in agriculture, to correct soils deficient in magnesium & sulfur. Animal feed, drug manufacture, bath salts, treatment of lead poisoning, good binding and resistant cement preparation. |
| 14. Packaging | 25 Kg bags |
| 15. Health & Safety | Non-toxic. Non-hazardous. It causes no irritation. In contact, wash plenty of water. Avoid inhalation. Handle with care. |
| 16. Geo.Location | Eskisehir / Türkiye (Middle Anatolia) |
| 17. Size supplied: | < 100micron
0 - 2 mm
2 - 4 mm |