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Technical Data Sheet
MANGANESE SULPHATE MONOHYDRATE

Product Identification

Product Name : MANGANESE SULPHATE MONOHYDRATE
Chemical Name : Manganese (II) Sulfate Monohydrate
Synonyms : Manganese (II) Sulphate Monohydrate, Manganous Sulphate Monohydrate, Manganese Sulphate/ Sulfate Monohydrate, Manganese Monosulfate Monohydrate
CAS No : 10034-96-5

Product Description

Manganese Sulphate Monohydrate is a high-purity inorganic manganese salt widely used as a micronutrient source in agriculture, animal nutrition, and industrial applications. It is readily soluble in water, making it suitable for fertilizers and feed supplements. The product provides essential manganese required for plant growth and metabolic functions. It is also used in chemical manufacturing, ceramics, and specialty industrial processes.

Specifications

Sr No.	Parameters	Specification
01	Appearance	Light Pink Free Flow Powder
02	Screen Analysis	Uniform (60 mesh)
03	Solubility	Miscible
04	Manganese, Mn	32.00%
05	Cadmium	Below 10 ppm
06	Arsenic	Below 10 ppm
07	Lead, Pb	Below 05 ppm
08	Mercury, Hg	Below 05 ppm
09	pH	5.0 – 9.2

Industrial Applications

- Micronutrient fertilizers
- Animal feed premixes
- Ceramic and glass manufacturing
- Textile dyeing and printing
- Chemical intermediate
- Battery and catalyst production

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- Water treatment chemicals
- Manganese compound manufacturing

Storage & Handling:

- Store in a cool location. Provide ventilation for containers. Store away from foodstuffs.
- Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Avoid breathing dust. Avoid moist

Packing:

- 50 kg Plastic bags with inner liner
- 25 Kg Plastic bags with inner liner