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Technical Data Sheet

Product Name: Manganese Sulphate Monohydrate

Molecular Formula: MnSO₄.H₂O

CAS No.: 10034-96-5

Mol Weight: 169.01

Physical and Chemical Properties:

Physical State: Pink Hygroscopic Powder

Melting Point: 700°C

Boiling Point: 850°C

Specific Gravity: 2.95

Solubility in Water: 5-10 g/100 ml

Stability: Stable

Applications:

Used as a porcelain glaze, as a fertilizer additive and as a catalyst. It is added to soils to promote plant growth, especially of citrus crops. It is a good reducing agent for manufacturing paints, varnish driers. It is used in textile dyes, fungicides, medicines and ceramics. In foods, it is used as a nutrient and dietary supplement. It is also used in ore flotation, as a catalyst in viscose process and in synthetic manganese dioxide. In veterinary medicine, it is used as a nutritional factor and in the prevention of perosis in poultry.

Technical Specifications:

Appearance: Light pink powder

Mn 31.8% min

Pb 10ppm max

As 5ppm max

Cd 10ppm max

Water insoluble matter 0.05% max

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