



product information

melstar t[®]

ferrous sulphate snowcrystals

properties:

| | | | | | |
|----------------------|---|--|---------|-----|-----------|
| chemical composition | : | Fe(II)SO ₄ ·7H ₂ O | | | |
| appearance | : | greenish crystals | | | |
| chemical analysis | : | Fe ²⁺ | 17,8 % | Pb | 0,2 ppm |
| | | Mg | 0,6 % | Cd | < 0,1 ppm |
| | | Mn | 0,04 % | Hg | 0,01 ppm |
| | | SO ₄ | 34,1 % | Cr | < 7 ppm |
| | | free moisture | 4,0 % | As | < 0,1 ppm |
| | | Ni | 40 ppm | Se | < 0,1 ppm |
| | | Zn | 27 ppm | Sb | < 0,1 ppm |
| | | Cu | 0,6 ppm | AOx | < 2 ppm |
| | | Insolubles: | 0,08 % | | |

apparent density : 0,9 - 1,1 kg/l
analysis : according DIN 19609

pH : 2 (saturated solutions)

| saturation: | | solubility | density |
|-------------|----------|------------|-----------|
| | at 5 °C | 320 g/l | 1,18 kg/l |
| | at 10 °C | 365 g/l | 1,20 kg/l |
| | at 15 °C | 410 g/l | 1,23 kg/l |
| | at 20 °C | 450 g/l | 1,25 kg/l |
| | at 25 °C | 500 g/l | 1,28 kg/l |

- at pH > 3, or undersaturated, solutions will tend to hydrolyse.
- solutions will freeze at -2 °C, independent of concentration

applications:

In **municipal and industrial effluent watertreatment** and in **potable water production** as precipitant and flocculant, for phosphate elimination, sludge dewatering, H₂S-elimination. (maximum dosage in potable water production according KIWA / ATA : 50g Fe/m³)

in **agrochemicals** as a fertilizer additive, as mosskiller, fungicide, algicide for underwater cultivated crops like rice, pesticide against snails and slugs.

as **pigment (additive)** for textile, leather, wood.

packaging:

in bulk vessels, in bulk trucks, in single heavy duty PE bags of approx. 25 kg.

The information in this datasheet is given to the best of our knowledge, however, without any warranty on our part.

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