

melstar t[®]

ferrous sulphate snowcrystals

properties:

chemical composition : Fe(II)SO₄.7H₂O
appearance : greenish crystals

chemical analysis	:	Fe ²⁺	17,6	%	Pb	0,1	ppm
		free moisture	4,0	%	Cd	<	0,03 ppm
		Insolubles:	0,09	%	Hg	<	0,01 ppm
		Ni	39	ppm	Cr	7	ppm
		Se	<	0,1 ppm	As	<	0,1 ppm
		Zn	59	ppm	Sb	<	0,1 ppm
		Cu	0,6	ppm	AOx	<	2 ppm

apparent density : 1,1 t/m³
analysis : according DIN 19609

pH : 2 (saturated solutions)

saturation:		solubility	density
	at 10 °C	400 g/l	1,20 kg/l
	at 20 °C	500 g/l	1,25 kg/l

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